CONSTRUCTION NEWS

PROPOSALS

For proposals Advertised see the pages immediately following the "Construction News" Section.

WATERWORKS

Bids Close		See Eng. News-Record
Aug. 7	Okeene, Okla.	July 27
Aug. 7	Altamont, Ill.	July 27
Aug. 7	Iron Bridge, Wis.	July 27
Aug. 7	Falls Creek, Pa. Adv. July 27 and Aug. 3.	July 27
Aug. 7	West Concord, Minn.	Aug. 3
Aug. 7	Springfield, Minn.	Aug. 3
Aug. 7	St. Paul, Minn.	Aug. 3
Aug. 8	Walbridge, O.	July 20
Aug. 8	Buffalo, N. Y.	Aug. 3
Aug. 8	Manasquan, N. J. Adv. Aug. 3.	Aug. 3
Aug. 10	Poughkeepsie, N. Y. Adv. July 27 and Aug. 3.	July 27
Aug. 10	Benton Harbor, Mich.	July 27
Aug. 10	New Orleans, La.	July 27
Aug. 10	Rome (Hillards P. O.), O.	Aug. 3
Aug. 10	Martinsville, Ill.	Aug. 3
Aug. 14	Northville, Mich.	Aug. 3
Aug. 16	Sayreville, N. J. Adv. July 27 and Aug. 3.	July 27
Aug. 16	Glendive, Mont.	July 27
Aug. 16	Wash., D. C. Adv. Aug. 3.	Aug. 3
Aug. 24	Sacramento, Cal.	July 27
Aug. 24	Quincy, Fla.	Aug. 3
Aug. 26	Walhalla, N. D.	July 27
Aug. 30	Scituate, R. I. Adv. Aug. 3.	Aug. 3
Sept. 15	Grants Pass, Ore.	July 27
Sept. 15	Plagnemine, La.	Aug. 3
Oct. 1	Ponchatoula, La.	Aug. 3

SEWERS

Aug. 7	Hamilton, Ont.	July 27
Aug. 7	New York, N. Y.	Aug. 3
Aug. 7	Akron, O.	Aug. 3
Aug. 10	Rome, O.	Aug. 3
Aug. 14	Northville, Mich.	Aug. 3
Aug. 14	Hondo, Tex.	July 27
Aug. 14	Pensauken, N. J.	July 27
Aug. 15	Springwells, Mich. Adv. Aug. 3.	Aug. 3
Aug. 16	Sayreville, N. J. Adv. July 27 and Aug. 3.	July 27
Aug. 16	Nashville, Tenn.	Aug. 3
Aug. 18	Erie, Pa.	Aug. 3
Aug. 22	Newark, N. J.	July 27
Aug. 23	Rye, N. Y. Adv. July 27 and Aug. 3.	July 27

BRIDGES

Aug. 8	Stockton, Cal.	July 20
Aug. 8	Indiana	July 27
Aug. 10	Atlanta, Ga.	July 20
Aug. 10	Columbus, O.	July 20
Aug. 10	Tipton, Ia.	Aug. 3
Aug. 11	Madison, Wis.	July 27
Aug. 11	Columbus, O.	Aug. 3
Aug. 11	Missouri	Aug. 3
Aug. 14	California	July 27
Aug. 14	Missouri	Aug. 3
Aug. 15	Miami, Fla.	July 27
Aug. 15	West Virginia Adv. July 27 and Aug. 3.	July 27
Aug. 15	Bennettsville, S. C. Adv. Aug. 3.	Aug. 3
Aug. 16	Ballston Spa, N. Y.	July 27
Aug. 18	Virginia Adv. Aug. 3.	Aug. 3
Aug. 18	Illinois	Aug. 3
Aug. 29	Wellington, New Zealand	July 13
Sept. 1	Knoxville Tenn.	July 27
Sept. 1, 1923	Sydney, New South Wales, Australia	Aug. 3
Sept. 7	Nashville, Tenn.	Aug. 3
Oct. 1	Siam	July 13
Oct. 31	Sydney, Australia	Jan. 12

DAMS

Aug. 14	Newburgh, N. Y. Adv. July 27 and Aug. 3.	Aug. 3

RAILWAY

Aug. 15	New York	Aug. 3

EXCAVATION AND DREDGING

Bids Close		See Eng. News-Record
Aug. 7	New Madrid, Mo.	Aug. 3
Aug. 8	Grants Pass, Ore.	July 20
Aug. 10	Wooster, O. Adv. July 13 to Aug. 3.	July 13
Aug. 12	Kokomo, Ind.	July 20
Aug. 14	Benton, Mo.	July 20
Aug. 15	Varner, Ark.	Aug. 3
Aug. 15	Ft. Lauderdale, Fla. Adv. July 13 to Aug. 3.	July 13
Aug. 18	Bloomington, Ill. Adv. July 20 to Aug. 3.	July 20

STREETS AND ROADS

Bids Close		See Eng. News-Record
Aug. 7	Elmira, N. Y.	Aug. 3
Aug. 7	Sacramento, Cal.	July 27
Aug. 7	California	July 20
Aug. 7	White Plains, N. Y.	July 27
Aug. 7	Leechburg, Pa.	July 27
Aug. 7	San Luis Obispo, Cal.	July 27
Aug. 7	Brownstown, Ind.	July 27
Aug. 7	Catasauqua, Pa.	July 27
Aug. 7	Paoli, Ind.	July 27
Aug. 7	Brazil, Ind.	July 27
Aug. 7	Jasper, Ind.	July 27
Aug. 7	Princeton, Ind.	Aug. 3
Aug. 7	Jeffersonville, Ind.	Aug. 3
Aug. 7	Casper, Wyo.	Aug. 3
Aug. 7	Franklin, Pa.	Aug. 3
Aug. 7	Columbia, Mo. Adv. Aug. 3.	Aug. 3
Aug. 7	New York, N. Y.	Aug. 3
Aug. 7	Council Bluffs, Ia.	Aug. 3
Aug. 7	Freehold, N. J. Adv. Aug. 3.	Aug. 3
Aug. 7	Dayton, O.	Aug. 3
Aug. 8	Indiana	Aug. 3
Aug. 8	San Rafael, Cal.	July 20
Aug. 8	Crown Point, Ind.	July 27
Aug. 8	Maryland Adv. July 27 and Aug. 3.	July 27
Aug. 8	Monticello, Ind.	July 27
Aug. 8	Trenton, N. J.	July 27
Aug. 8	Millville, N. J.	July 27
Aug. 8	Louisiana	July 20
Aug. 8	Washington, Ind.	July 27
Aug. 8	Ontario	July 27
Aug. 8	Savannah, Ga.	July 27
Aug. 8	Napa, Cal.	July 27
Aug. 8	St. George, N. Y.	Aug. 3
Aug. 8	Milwaukee, Wis.	Aug. 3
Aug. 8	Colorado	Aug. 3
Aug. 8	Michigan	Aug. 3
Aug. 9	Valparaiso, Ind.	July 27
Aug. 9	Ft. Myers, Fla.	July 27
Aug. 9	Ft. Myers, Fla.	July 6
Aug. 9	Hackensack, N. J. Adv. July 20 to Aug. 3.	July 20
Aug. 9	Mays Landing, N J. Adv. July 27 and Aug. 3.	July 27
Aug. 9	Marysville, Cal.	Aug. 3
Aug. 9	Michigan	Aug. 3
Aug. 9	Sycamore, Ill.	Aug. 3
Aug. 10	Woodbury, N. J.	July 20
Aug. 10	Fredericktown, O.	July 20
Aug. 10	South Amboy, N. J. Adv. July 27 and Aug. 3.	July 27
Aug. 10	Burlington, Vt. Adv. July 27 and Aug. 3.	July 27
Aug. 10	Quebec	July 27
Aug. 10	Raeford, N. C.	Aug. 3
Aug. 10	Louisiana	Aug. 3
Aug. 10	Willmar, Minn.	Aug. 3
Aug. 10	Sonora, Tex.	Aug. 3
Aug. 10	Petersburg, Va.	Aug. 3
Aug. 10	St. George, N. Y.	Aug. 3
Aug. 11	Missouri	Aug. 3
Aug. 11	Columbus, O.	Aug. 3
Aug. 11	Johnson Creek, Wis.	Aug. 3
Aug. 12	Quebec	July 27
Aug. 12	Wheeling, W. Va.	July 27
Aug. 14	California	July 27
Aug. 14	Ebensburg, Pa.	Aug. 3
Aug. 14	Scalp Level, Pa.	Aug. 3
Aug. 14	Ashville, Pa.	Aug. 3
Aug. 14	Missouri	Aug. 3
Aug. 14	Grandview Heights (Columbus P. O.), O.	Aug. 3
Aug. 15	New York Adv. Aug. 3.	Aug. 3
Aug. 15	Woodbury, N. J. Adv. Aug. 3.	Aug. 3
Aug. 15	Pickens, S. C.	Aug. 3
Aug. 15	Santa Rosa, Cal.	July 27
Aug. 15	Beaumont, Tex.	July 27
Aug. 15	Wadsworth, O.	July 20
Aug. 15	Alabama	July 27
Aug. 15	Knoxville, Tenn.	July 20
Aug. 15	Columbus, O.	Aug. 3
Aug. 15	Maryland Adv. Aug. 3.	Aug. 3
Aug. 15	Sequin, Tex.	Aug. 3
Aug. 15	Morris, Ill.	Aug. 3
Aug. 16	Nashville, Tenn. Adv. Aug. 3.	Aug. 3
Aug. 16	Rhode Island Adv. Aug. 3.	Aug. 3
Aug. 17	Henderson, N. C.	July 27
Aug. 17	Youngsville, Pa.	Aug. 3
Aug. 17	Halletsville, Tex.	Aug. 3
Aug. 18	Illinois	Aug. 3
Aug. 21	California	Aug. 3
Aug. 22	Orangeburg, S. C.	Aug. 3
Aug. 23	Two Harbors, Minn.	Aug. 3
Aug. 24	Charleston, S. C.	Aug. 3
Aug. 30	North Carolina	Aug. 3
Sept. 19	New Orleans, La.	July 6

INDUSTRIAL WORKS

Aug. 8	Pittsburgh, Pa.	Aug. 3

BUILDINGS

Aug. 7	Pelham Manor, N. Y.	July 27
Aug. 7	Detroit, Mich.	Aug. 3
Aug. 8	Mankato, Minn.	July 27
Aug. 8	Saginaw, Mich.	July 27
Aug. 8	Detroit, Mich.	Aug. 3
Aug. 9	Detroit, Mich.	July 27
Aug. 9	Ogden, Utah	July 27
Aug. 10	Erie, Pa.	July 27
Aug. 10	Pittsburgh, Pa.	July 27
Aug. 10	Mt. Sterling, O.	July 20
Aug. 12	Akron, O.	July 27
Aug. 12	Louisville, O.	July 27
Aug. 14	Cleveland, O.	July 27
Aug. 14	Oakland, Cal.	July 20
Aug. 15	Grandview Heights (Columbus P. O.),	July 20
Aug. 16	Owen Sound, Ont.	July 27
Aug. 20	Erie, Pa.	July 13
Aug. 22	Stateville, Ill.	Aug. 3
Aug. 31	New York, N. Y.	Aug. 3
Sept. 1	Knoxville, Tenn.	July 20
Sept. 30	Duluth, Minn.	July 13
Oct. 1	Duluth, Minn.	Aug. 3

FEDERAL GOVERNMENT WORK

Aug. 7	Dredging, etc. — New York, N. Y. Adv. July 6, 13, 27 and Aug. 3.	July 6
Aug. 7	Dredging—Camden, N. J. Adv. July 13 to Aug. 3.	July 13
Aug. 8	Earthwork — New Orleans, La.	Aug. 3
Aug. 9	Chimney and Flue—Guantanamo, Cuba	July 27
Aug. 9	Foundations — Tupper Lake, N. Y.	Aug. 3
Aug. 10	Tank — Ft. MacKenzie, Wyo.	July 20
Aug. 11	Piping — North Platte, Neb.	July 20
Aug. 12	Timber Turnout, etc.—Klamath Falls, Ore.	July 27
Aug. 12	Oil Burning Apparatus — Houston, Tex.	July 27
Aug. 14	Scow—Duluth, Minn. Adv. July 20 to Aug. 3.	July 20
Aug. 14	Levee Work — Memphis, Tenn. Adv. Aug. 3.	Aug. 3
Aug. 15	Excavation — Wilmington, Del. Adv. July 20 to Aug. 3.	July 20
Aug. 15	Rock Removal — Providence, R. I. Adv. July 20 to Aug. 3.	July 20
Aug. 15	Dredging—Galveston, Tex. Adv. July 20 to Aug. 3.	July 20
Aug. 15	Stone—New Orleans, La. Adv. July 20 to Aug. 3.	July 20
Aug. 15	Electric Pump — St. Louis, Mo.	July 27
Aug. 15	Lighthouse Tender — Wash., D. C.	July 27
Aug. 16	Wire Partition—San Diego, Cal.	July 27
Aug. 18	Radial Gates, etc.—Riverton, Wyo.	July 13
Aug. 19	Dredging—New York, N. Y. Adv. July 20 to Aug. 3.	July 20
Aug. 21	Catamarans — Portland, Ore. Adv. July 20 to Aug. 3.	July 20
Aug. 21	Dredging—Baltimore, Md. Adv. July 27 and Aug. 3.	July 27
Aug. 22	Post Office—Spanish Fork, Utah Adv. July 27 and Aug. 3.	July 27
Aug. 22	Post Office—Fond du Lac, Wis.	July 27
Aug. 23	Retaining Walls — Quantico, Va.	July 27
Aug. 23	Quarrywalls, etc.—Pearl Harbor, H. T.	July 20
Aug. 23	Dredging—Norfolk, Va.	July 27
Aug. 25	Extension to Workroom — Ft. Worth, Tex.	Aug. 3
Aug. 25	Office, Storehouse, etc.—Buffalo, N. Y. Adv. Aug. 3.	Aug. 3
Aug. 28	Remodeling — Raleigh, N. C. Adv. Aug. 3.	Aug. 3

Bids Close		See Eng. News-Record
Aug. 30	Circulating Loop — Mare Island, Cal.	July 27
Aug. 31	Canal—Klamath Falls, Ore.	July 27
Sept. 1	**Refrigerating Plants—Perryville, Md.** Adv. July 20 to Aug. 3.	July 20
Sept. 5	Dredging — New York, N. Y. Adv. Aug. 3.	Aug. 3
Sept. 5	Steel Gates — Nashville, Tenn. Adv. Aug. 3.	Aug. 3
Sept. 5	Dykes, etc.—New Orleans, La.	Aug. 3
Sept. 6	Motors, etc.—Yuma, Ariz.	July 27

MISCELLANEOUS

Bids Close		See Eng. News-Record
Aug. 7	Engines and D. C. Generators —Rome, N. Y.	July 13
Aug. 7	Scarifier Attachment—St. Paul, Minn.	July 20
Aug. 7	Electric Light Equipment — Hanna, Alta.	July 27
Aug. 7	Transmission Line—Pine Tops, Tops, N. C.	Aug. 3
Aug. 8	Cement—Napa, Cal.	July 27
Aug. 9	Heating Oil Distributor—Ft. Myers, Fla.	July 27
Aug. 9	Transformers, etc. — San Francisco, Cal.	July 20
Aug. 12	Paving Block — Buffalo, N. Y.	Aug. 3
Aug. 15	Hydro-electric Development—Dothan, Ala.	June 29
Aug. 15	Transmission Line, etc.—Hobgood, N. C.	July 27
Aug. 15	Foundation — Minneapolis, Minn.	July 13
Aug. 17	Intake Pier, Screens, etc.—Wheeling, W. Va. Adv. Aug. 3.	Aug. 3
Aug. 28	Mechanical Equipment—Sacramento, Cal.	Aug. 3
Sept. 16	Strain & Pin Type Insulators —Melbourne, Australia	July 27

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk or corresponding official.

Waterworks

PROPOSED WORK

N. Y., Mayfield—Making surveys distribution system, standpipe, pumping station, 4 mi. 6-8 in. c.i. pipe, etc. $50,000. M. Vrooman, 10 North Main St., engr.

Pa., Steelton—Authorized $25,000 bond issue to improve waterworks. A. Rupp, boro. secy.

D. C., Wash.—Dist. Comrs., 509 Dist. Bldg., plans sewers in various streets. $250,000 appropriated.

Va., Petersburg—Making plans and soon take bids for 3 mi. sewers. $75,000. L. Budd, city engr.

La., Alexandria—Soon takes bids water reservoir, equipment and mains. $95,000 bonds voted for project. V. M. Ake, clk.

O., Warren—Plans c.i. mains in Boulevard, Garden Ave., East Market St., Apple Pl., Trumbull and Central Parkways. $38,600.

Mich., Ecorse — Plans extensions to mains, 4, 6 and 8 in. c.i. pipe. To be supplied with water from Detroit waterworks system. $125,000. Engineer not selected.

Wis., Madison—Taking bids pumping machinery for new pumping station in Monona Park, also sewage disposal machinery. E. E. Parker, engr.

Ia., Rockwell City—Making plans 200,000 gal. rein.-con. reservoir incl. pumping machinery. $15,000. W. E. Buell & Co., 205 Davidson Bldg., Sioux City, engrs.

Minn., Winona—Making plans pumping station. $250,000. Alvord, Burdick & Howson, 8 South Dearborn St., Chicago, engrs.

Tex., Ennis—Voted $35,000 bond issue for waterworks improvements and sewer extensions. R. A. McCulloch, city mgr. Noted June 8.

Tex., Lubbock—Voted $50,000 bonds for waterworks improvements. S. Sanders, city engr.

Okla., Tulsa—Water Comn. plans receiving bids during last half of September for Spavinaw Water Supply Project, for which $6,800,000 bonds have been voted. A. J. Rudd, chn. Trammell & Holway, 329 Kennedy Bldg., engrs.; adv. this issue.

BIDS DESIRED

R. I., Scituate—Aug. 30, by Water Supply Bd., Providence, building tunnel portion of Scituate Aqueduct, in Scituate and Cranston; adv. this issue.

N. Y., Buffalo—Aug. 8, by A. W. Kreinheder, comr. Pub. Wks., Municipal Bldg., 1,000 lengths 6 in. c.i. pipe, 100 ton lead, eighty 6-16 in. high pressure valves and 50 high pressure fire hydrants.

N. J., Manasquan — Aug. 8, by Boro Council installing water pumping equipment. Runyon & Carey, 845 Broad St., Newark, consult. engrs.; adv. this issue.

D. C., Wash.—Aug. 16, at office Washington Suburban Sanitary Comn., Evans Bldg., New York Ave., mains and sewers, Contrs. 32 W and S. R. B. Morse, Hyattsville, Md., dist. ch. engr.; adv. this issue.

Fla., Quincy—Aug. 24, by city, 1 uniflow engine, one 210 kva. or 312 kva. generator, 3 panel switch board, 2 centrifugal pumps, one 500 hp. feed pump and heater, 1 motor driven air compressor, condenser, 200 hp. 125 lb. return tubular boiler, 200,000 gal. concrete reservoir, 6,000 ft. 6-8 in. c.i. pipe, etc. J. P. Smith, clk. Noted June 22, under Industrial Works.

La, Plaquemine—Sept. 15, by F. Wilbert, mayor, and Bd. of Aldermen, remodeling waterworks and electric light plant. $150,000. Swanson-McGraw, Inc., 705 United Fruit Bldg., New Orleans, engrs. Noted May 11.

La., Pontchatoula—Oct. 1, by W. R. Haight, mayor, and Bd. of Aldermen, constructing waterworks and sewerage system. $130,000. Swanson-McGraw, Inc., 706 United Fruit Bldg., New Orleans, engrs. Noted May 11.

O., Rome (Hilliards, P. O.)—Aug. 10, by Franklin Co. (Columbus) laying 13,500 ft. c.i. mains in Sewer Dist. Prairie 1. E. G. Bradbury, 174 East Long St., Columbus, engr.

Mich., Northville—Aug. 14, by T. E. Murdock, village clk., laying 1,800 ft. 10 in. c.i. pipe and lowering 1,000 ft. existing pipe. A. Roth and C. W. Hubbell, 2348 Penobscot Bldg., Detroit, engrs.

Ill., Martinsville—Aug. 10, by Bd. Local Impvts. for 8 mi. 4, 6 and 8 in. c.i. mains, incl. valves, specials, and fire hydrants. W. B. Lynn, pres. W. R. Page, Rose Dispensary Bldg., Terre Haute, Ind., engr. Noted March 3, 1921.

Minn., St. Paul—Aug. 7, by H. W. Austin, city purch. agt., radial brick or rein.-con. tile chimney and one 15 ton hand-operated traveling type bridge crane for Water Dept. at McCarrons station.

Minn., Springfield—Aug. 7, by city, watermain extensions, 16,200 ft. 4-8 in. class B. c.i. pipe, thirty-six 4-8 in. gate valves, 22 hydrants, 12,000 lb. c.i. specials. $22,000. J. Schmelz, clk. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs. Noted June 2.

Minn., West Concord—Aug. 7, by city, waterworks extensions, incl. steel tank and tower, pump house, removing present building, shaft extension and pulley, etc. W. E. Glarner, clk. Toltz, King & Day, 1410 Pioneer Bldg., St. Paul, engrs. Noted June 29.

BIDS RECEIVED

S. C., Charleston—For 30,000 ft. rein.-con. and terra cotta pipe drains and appurtenances, from Bryan & Co., Jacksonville, Fla., $200,000. Noted June 22.

O., Cleveland—Constructing foundations at Fairmount Pumping Station, 2,200 cu. yd. concrete, 17,700 cu.yd. earth excav., 450 ton c.i. pipe and 96,011 lb. reinforcing, from Hunkin-Conkey Constr. Co., Century Bldg., $231,995; Lake Erie Constr. Co., Hickox Bldg., $257,932; Stange Constr. Co., Sixth-St. Clair Bldg., $257,984. Contract awarded to Hunkin-Conkey Constr. Co., $231,819.

CONTRACTS AWARDED

N. Y., Buffalo—Dept. Pub. Wks., Municipal Bldg., for filtration plant structures, Contr. 1, to Thompson-Starrett Co., 49 Wall St., New York, $1,800,480. Noted July 20.

Md., Cumberland—Laying water conduit, to Cumberland Contg. Co., 62-3rd Natl. Bank Bldg. Engrs. est. $100,000.

N. C., Kernersville—Constructing 100 ft. tower and tank, to R. D. Cole Mfg. Co., Union, Ga.; 2 deep wells, to Cummings & Williams, Kernersville; waterworks and sewerage system, to Boyd, Higgins & Goforth, Charlotte. Total $100,000.

O., Cleveland—Cuyahoga Co. 21,300 ft. 4-10 in. c.i. mains in Parma Dist. Impvt. 17, to Langahan Constr. Co., Marshall Bldg., $103,125; 6,500 ft. 4-8 in. c.i. mains in Parma Dist. Impvt. 18, to D. Pfahl & Co., Fisher Rd., $30,506. Noted July 27.

O., Columbus—See "Streets and Roads."

Mich., River Rouge—Submerged watermain across Rouge River about 40 ft. below water surface, 500 ft. 30 c.i. pipe to Greiling Bros. Co., East Walnut St., Green Bay, Wis., $46,000. Noted July 20.

Wis., Madison—Heavy duty air compressor for pumping station, to Nordburg Mfg. Co., Chicago and Oklahoma Sts., Milwaukee, $23,350. Engrs. est. $25,000. Noted March 16.

Wis., Milwaukee—Furnishing and erecting structural steel for Riverside Pumping Station, foot of Chambers St., from Worden-Allen Co., Port Washington Rd., $71,462; Wisconsin Bridge & Iron Co., North Milwaukee, $72,180; Wagner Architectural Iron Wks., 763 North Water St., $72,996.

Ia., Waterloo—For 2 rein.-con. reservoirs, to C. H. Werner, Waterloo, $43,000. City will buy c.i. pipe. Noted June 29.

Minn., Barnum — Waterworks system, 5,000 lin. ft. 6 in. c.i. mains, hydrants, specials, etc.; sewerage system, 5,000 lin. ft. 8-12 in. vitr. tile sewers, 15 manholes, 3 lampholes, 2 outfalls, to Pastoret Co., 308 Sellwood Bldg., Duluth, about $21,000.

Ont., Islington — Twp. of Etobicoke, waterworks system in Area 3, about 3 mi. 6 in. c.i. pipe; pipe laying to Grant Contg. Co., 50 Front St. E., Toronto; pipe to Natl. Iron Wks., foot of Cherry St., Toronto; valves to Drummond McCall Co., 373 Front St. E., Toronto; hydrants to J. T. Hepburn, 18 Van Horne St., Toronto. Engrs. est. $60,000. Noted July 13.

Ont., Oakville—Auxiliary gasoline driven pump, 1,000 g.p.m. to Goldie McCulloch Co., Galt, $32,000. Noted June 1.

Ont., Toronto—For 4,000,000 gal. per day electrically driven centrifugal pump, to J. Ingles Co., 14 Strachan Ave., $10,791. Noted June 1.

Sewers

PROPOSED WORK

Pa., Rochester — Making plans sewage disposal plant. $25,000. J. P. Leaf, boro. engr.

D. C., Wash.—Dist. Comrs., 509 Dist. Bldg., plan to extend water supply system. $100,000 appropriated.

Va., Petersburg—Making plans and soon takes bids repairing and extending mains. $25,000. L. Budd, city engr.

O., Warren — Authorized $63,500 bond issue sanitary and storm sewers in South Pine St. and River Ave.

Mich., Ecorse—Plans extending trunk and lateral sewers, brick, concrete, crock or segement block. $50,000 bonds sold. Architect not selected.

Wis., Waukesha—Making plans 2,000 ft. 42 in. rein.-con. pipe outfall sewer. $25,000. A. P. Kuranz, City Hall, engr.

Ia., New Vienna—Making plans sanitary sewers and sewage disposal plant. H. R. Green Co., Cedar Rapids Savings Bank Bldg., Cedar Rapids, engrs.

Tex., Ennis—See "Waterworks."

Tex., Houston—Soon receives bids 10,000 ft. storm sewers in Turner and Castle Court Addition, 12-57 in. vitr. clay, segment blocks or concrete pipe. $80,000. J. C. McVea, City engr.

Tex., Lubbock—Voted $100,000 bond issue for sewerage extensions and improvements. S. Sanders, city engr.

Cal., Crescent City—See "Streets and Roads."

Cal., Merced—Plan to vote on $70,000 bonds for sewers and $17,500 for improving Bear Creek Park site for camp grounds. C. D. Martin, city engr.

Ont., Hamilton—Plans sewage disposal system. $2,500,000. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs.

B. C., Chilliwack—Having plans prepared sewerage system. $30,000. Prices wanted on materials and equipment. C. Breckenridge, City Hall, engr.

BIDS DESIRED

N. Y., New York—Aug. 7, by J. Miller, pres. Manhattan Boro., Municipal Bldg., construction sanitary sewers and reconstruction existing sewers in Carmine St. from Varick St. to point 106 ft. east of east building line of Bleecker St.

Pa., Erie—Aug. 18, by M. J. Henry, city clk., constructing 4 sections Mill Creek Valley Relief Sewer. $40,000. F. Lynch, city engr.

D. C., Wash.—See "Waterworks."

La., Pontchatoula—See "Sewers."

Tenn., Nashville—Aug. 16, by S. H. McKay, secy. Bd. Pub. Wks., brick storm water culvert, incl. tailing ditches and catch basins, etc., in Hefferman St., private property, and alley west of 21st Ave. from point in private property, south of Jefferson St., thence southwardly through private property to Hefferman St., about 300 ft. west of 21st Ave., thence eastwardly in Hefferman St. to alley west of 21st Ave. and southwardly in said alley to point about 20 ft. south of Hefferman St. F. Z. Wilson, mayor.

O., Akron—Aug. 7, by M. P. Tucker, service dir., 2,595 ft. Gorge Blvd. Trunk Sewer 30 to 72-in. brick or segment block. $70,000. J. E. Root, Delaware Bldg., engr.

Mich., Northville—Aug. 14, by T. E. Murdock, clk., 4,315 ft. sanitary sewer, Sect. 4, 8 in. vitr. crock pipe. $25,000. A. Roth and C. W. Hubbell, 2348 Penobscot Bldg., Detroit, engrs.

Mich., Springwells—Aug. 15, by B. P. Esper, village clk., Village Hall, construct-

Sewers (Continued)

ing sewers, Sects. 10, 14 and 15. C. W. Hubbell, 2348 Penobscot Bldg., Detroit, consult. engr.; adv. this issue.

Wis., Madison—See "Waterworks."

Wyo., Casper—See "Streets and Roads."

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres., Boro Hall, opened bids July 26, sewers in (1) Rochester Ave., (2) Ashford St., (3) Van Sicklen St., (4) Ave. Q, (5) 57th St., (6) Union St., (7) East 28th St., (8) Nostrand Ave., etc., from F. Frey, 818 Ocean Parkway, (1) $23,157 (3) $4,170 (4) $3,859 (6) $2,667 (7) $2,258 (8) $2,006; Tomasetti & Co., Inc., 1133-60th St., (1) $24,650; Murphy Bros., 262 Bay 43rd St., (1) $25,090 (2) $6,570 (4) $4,153 (6) $2,689; D. Bonnacci, (2) $7,383 (5) $2,791 (8) $2,391; J. Jenings, Belle Harbor, (2) $8,029; J. J. Guinan Contg. Co., 2314 Gravesend Ave., (3) $3,761; Nazzarro & Querriero, 6712 11th Ave., (3) $3,925 (4) $3,749 (5) $2,326 (6) $2,385 (7) $2,024 (8) $2,183; Dady & Merrindino, (5) $2,693; Fozzi Bros., (7) $2,258. Noted July 20.

N. Y., Gloversville—Received low bid for 890 ft. 15 in., 1,640 ft. 12 in., 1,330 ft. 10 in. and 420 ft. 8 in. sewers and 1,300 ft. 4 in. laterals in Kingsboro Ave., Newman, Lawrence, Meadow and East State Sts., incl., from M. Vrooman, Inc., 10 North Main St., cheapest combination $27,242, using all vitr. pipe $27,247, concrete pipe $28,114.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., opened bids July 26, sewers in (1) Brown Pl. from Grand St. to Whitlock Ave., Whitlock Ave. from Brown Pl. to Bittman Ct., etc., receiving basins, etc., in (2) southerly corner of Sothern and Corona Aves. and on easterly side of Corona Ave. near angle point between Sothern Ave. and Merritt Pl., 2nd Ward, from S. Muccini, 6102 18th Ave., Brooklyn, (1) $28,229; Kennedy & Smith, 93 Amity St., Flushing, (1) $33,212 (2) $775; Murphy Bros., 262 Bay 43rd St., Brooklyn, (1) $34,848; Green Contg. Co., (2) $900; J. H. O'Brien, Jr., (2) $940. Noted July 20.

CONTRACTS AWARDED

N. Y., Perrysburg—See "Buildings."

N. C., Kernersville—See "Waterworks."

O., Columbus—W. H. Duffy, dir. Pub. Serv., 23,480 ft. 6-15 in. sanitary sewers in Dunedin Rd., to Gessner & Co., 616 Nicholas Bldg., Toledo, $39,018. Noted July 20.

O., Columbus—See "Streets and Roads."

Minn., Barnum—See "Waterworks."

Mo., Kennett—See "Streets and Roads."

Neb., Grand Island—Sewers and sewerage disposal plant, Sects. 1 and 4, to H. J. Peterson, 1119 South 35th St., Omaha, who sublet same to Ward & Weighton, 516-17 Davidson Bldg., Sioux City, Ia., $61,846; Sect. 2, to C. L. Hansen, Charles City, Ia., $131,274; Sect. 3, to Chambers Constr. Co., Grand Island, $41,181; Sect. 5, to Hansen & Willodson, Omaha, $35,718. Noted May 4.

Ont. Atwood—Elma Twp., ditching, mostly excav., small amount tile and concrete work, to G. Arbuckle, c/o G. Lochead, Atwood, $63,742. Engrs. est. $70,000.

Ont., Toronto—Vitr. tile sanitary sewers in Mount Pleasant Rd., to Grant Contg. Co., 50 Front St. E., $2,295; in Ruskin Ave., to W. R. Worthington, 555 Markham St., $64,694. Work involves 12,000 ft. vitr. tile, 8 in. and up. Engrs. est. $67,000.

Waste Disposal

BIDS RECEIVED

N. Y., Buffalo—For 200 ton incinerator plant, from C. O. Bartlett-Snow Co., French and Winter Sts., Cleveland, O., $291,286, G. W. Goethals Co., 40 Wall St., New York, $309,379, Universal By-Products Corp., Buffalo, $135,000; 50 ton garbage drying plant, from C. H. A. Wannenwetsch & Co., 563 William St., $78,000. Noted June 22.

D. C., Wash.—Dist. Comrs., 509 Dist. Bldg., additional incinerators at trash plant, Mt. Olivet Rd. and Mantello Ave., from Vulcan Incinerator Co., Surety Bldg., St. Louis, Mo., $33,685 (90 days); Sparks Crematory Constr. Co., Memphis, Tenn., $15,350 (60 days); Nye Odorless Crematory Co., Georgia Life Bldg., Macon, Ga., $18,250 (18 days). Noted July 6.

Bridges

PROPOSED WORK

La., Minden—See "Streets and Roads."

Ky., Morganfield—Union and Crittenden Counties soon take bids steel bridge across Tradewater River. $25,000. R. Orcutt, Morganfield, engr.

Mo., Kansas City—See "Railways."

Ont., Prairie Siding—Kent Co. (Chatham) authorized construction of steel, double lift, leaf type bridge over Thames River, here. $150,000. W. G. McGeorge, Chatham, Co. engr.

BIDS DESIRED

Virginia—Aug. 18, by State Hy Comm., Richmond, bridge over Rappahannock River, Route 1, Project S-225; rein.-con. bridge over Swift Creek, Route 1, Project S-249; bridge over Spring Branch, Route 10, Project S-250. G. P. Coleman, commr.; adv. this issue.

S. C., Bennettsville—Aug. 15, by Bd. Comrs. Marlboro Co., 6 culverts and 4 rein.-con. bridges. B. M. English, co. engr.; adv. this issue.

Tenn., Nashville—Sept. 7, by S. H. McKay, city clk., City Hall, for East Nashville viaduct and east and west approaches to Church St. viaduct. Freeland, Roberts & Co., 1212-13 Independent Life Bldg., consult. engrs.; adv. this issue.

O., Columbus—Aug. 11, by Dept. Hys., and Pub. Wks., bridges in following counties; Brown Co., Sect. "P" Milford-Hillsboro Rd., $2,777; Guernsey Co., Sect. "I" National Rd., $8,361; Guernsey Co., Sect. "K" National Rd., $8,724; Columbiana Co., Sect. "Salineville" Salineville-Yellow Creek Rd., concrete bridge, $6,053; Highland Co., Sect. "N" Hillsboro-Washington C. H. Rd., 2 bridges $11,096; Medina Co., Sect. "P" Ashland-Medina Rd., bridges and culverts, $6,923; Pickaway Co., Sect. "U" Columbus-Portsmouth Rd., $12,565.

Illinois—Aug. 18 by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, following bridges: substructures for 1 steel bridge and 1 steel span, 4 rein.-con. approach spans for 1 steel and concrete, Route 1, Sect. 29-B, Saline Co., 1 steel superstructure, Route 1, Sects. 29-C, Saline Co., 1 rein.-con., Route 1, Sect. 30-B, Saline Co., 4 rein.-con., Route 1, Sect. 31-B, Saline Co., rein.-con. approach spans for steel and concrete, 1 rein.-con. bridge and 1 culvert, Route 1, Sect. 33-B, Saline Co., 1 steel superstructure, Route 1, Sect. 33-C, Saline Co., 1 rein.-con. bridge and 1 culvert, Route 1, Sect. 34-B, Williamson-Johnson Co., 1 rein.-con. bridge and 1 culvert, Route 1, Sect. 37-B, Johnson Co., 2 rein.-con. bridges and 2 culverts, Route 3, Sect. 37-B, McDonough Co., 2 rein.con. bridges and 7 culverts, Route 3, Sect. 8-B, Rock Island Co., 1 substructure for steel, Route 8, Sect. 32-B, Woodford Co., 1 steel superstructure, Route 8, Sect. 32-C, Woodford Co., 3 rein.-con. bridges, Route 12, Sect. 15-B, Marion Co. rein.-con. approach spans for concrete and steel, Federal Aid Project 26, Sect. 20-B, Logan Co., 1 steel superstructure, Route 26, Sect. 20-C, Logan Co., rein.-con. approach spans and 1 steel substructure, 1 rein.-con., Route 33, Sect. 43-B, Fulton Co., 1 steel superstructure, Route 33, Sect. 43-C, Fulton Co., (Proposals will also be considered for specified combinations.) C. Older, ch. highway engr.

Ia., Tipton—Aug. 10 by Auditor Cedar Co., 40 box culverts, 1 circular culvert, 20 extensions, 1 slab and 1 pony truss bridge, reconstruction 2 I-Beam bridges. H. L. Phelps, co. engr.

Minn., Two Harbors—See "Streets and Roads."

Missouri—Aug. 11, by State Hy. Dept. Bd., at Kennett, two 80 ft. steel truss spans, one 45 ft. and one 30 ft. I beam spans, one 30 ft. I beam span-skewed, all creosoted wood floors, 18 ft. roadways, concrete abutment, Federal Aid Project 183 C, Dunklin Co.

Missouri—Aug. 14, by State Hy. Bd., at Benton, one 50 ft. and one 40 ft. I beam span, one 70 ft. and one 85 ft. steel truss spans, all creosoted wood floors, 18 ft. roadways, concrete abutments, Federal Aid Project 5, Scott Co.

Wash., Seattle—Aug. 15 (change of date) constructing bascule portion of 288 ft. bridge over West Waterway on Spokane St., two side spans and girder crossing, steel construction, 5 ft. center to center, wood block floor, 6 ft. sidewalk, $1,500,000. F. A. Rapp, 6312 44th St., S. W., engr.

Que., Vaudreuil—Iles Perrot Bridge Comn. taking bids, 2 bridges, which will connect Ile Perrot with Vaudreil on one side and St. Anne De Bellevue on other. M. Necktar, Dept. Roads, Quebec, engr. Noted March 2.

Australia, New South Wales—Sydney—Sept. 1, 1923, by New South Wales Government, superstructure and substructure of cantilever bridge across Sydney Harbor. T. A. Coghlan, agt. genl.

BIDS RECEIVED

North Carolina—State Hy. Dept., Raleigh, rein.-con. bridges and culverts on (1) State Project 131, Gates, (2) State Project 888, Yancey Co., (3) State Project 484, Wake Co., (4) State Project 702 A, Alleghany Co., (5) State Project 952 A, Jackson Co., (6) State Project 569, Moore Co., (7) State Project 963, Macon Co., from W. D. Murray-Saddler Corp., Norfolk, Va., (1) $28,908; Batson-Cook Co., West Point, Ga., (1) $29,462, (3) $31,292; Bacon-Moore Co., Littleton, (1) $30,707; Clark Co. Constr. Co., Winchester, Ky., (2) $42,076; Luck co., Sylva, (2) $45,436, (5) $42,608; Luten Bridge Co., 405 East 4th Ave., Knoxville, Tenn., (2) $57,022, (4) $36,469; Booz-Lloyd & Co., Marion, (3) $28,205; R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, (3) $31,310; W. E. Graham, Mt. Ulla, (4) $38,786; Brooks Calloway Co., Forsyth Bldg., Atlanta, Ga., (5) $36,889, (7) $25,115; Costello Bros., Knoxville, Tenn., (5) $45,426 (7) $26,731; C. B. Hester, Greensboro, (6) $26,390; Mayfield Constr. Co., Denmark, S. C., (6) $26,871; J. A. Marrow, Clarksville, Va., (6) $27,645; J. T. Plott, Greensboro, (7) $28,310. Noted July 6 and 13.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, received bids for following bridges (1) 1 concrete and substructure for steel, Route 3, Sect. 38-B, (2) 1 steel superstructure, Route 3, Sect. 38-C, McDonough Co. (3) 5 concrete, Route 3, Sect. 56-B (4) 1 steel superstructure, Route 3, Sect. 56-C (5) 4 concrete and 1 steel, Route 3, Combination K, Greene Co. (6) 1 concrete, Route 11, Sect. L-2, Effingham Co. (7) 1 substructure for steel, Route 11, Sect. H-1, (8) 1 steel superstructure, Route 11, Sect. H-2, Cumberland Co. (9) 4 concrete, Route 14, Sect. 9-B, Hamilton Co. (10) 1 concrete, Project 6, Sect. K-1. (11) 1 steel superstructure, Project 6, Sect. K-2. (12) 1 concrete and 1 steel, Project 6, Combination V, Mason-Menard Co. (13) 5 concrete, Project 26, Sect. 17-B, McLean Co. (14) 3 concrete, Project 34, Sect. 26-B (15) 2 concrete, Project 34, Sect. 27-B (16) 5 concrete, Project 34, Combination N (17) 1 concrete, Project 37, Sect. 22-B (18) 1 steel superstructure, Project 37, Route 22-C (19) 1 steel, Route 37, Combination O, Clinton Co. (20) 1 steel substructure, Route 39, Sect. 1-B (21) 1 steel superstructure, Route 39, Sect. 1-C (22) 1 steel, Route 39, Combination P, Carroll Co., from D. Alford, Cuba, (1) $11,152. H. C. Holmes, Macomb, (1) $12,308. W. H. Shons, 109 Spring St., Freeport, (1) $12,443 (3) $43,820 (6) $13,769 (7) $12,174 (9) $10,057 (10) $75,559 (14) $11,555 (16) $39,200 (20) $2,804 (21) $8,545 (22) $11,100. Mississippi Valley Steel Co., Decatur, (2) $6,751 (4) $10,441 (8) $7,632. Illinois Steel Bridge Co., Jacksonville, (2) $7,081 (4) $10,621 (11) $14,998 (18) $13,148. St. Louis Structural Steel Co., Bank of Commerce Bldg., St. Louis, Mo., (2) $7,313. Herrick Constr. Co., Carlinville, (3) $36,126. C. M. Haines, Jerseyville, (3) $40,318. Rochester Bridge Co., Rochester, Ind., (4) $10,796 (8) $8,185 (11) $15,272 (18) $13,232 (21) $8,294. J. Brogen, Carrolton, (5) $58,500. W. Belindt, St. Peter, (6) $10,445, (9) $7,641. C. J. Moritz, Effingham, (6) $13,781. Zimmerly Bridge Co., Paris, (7) $13,311 (15) $24,000 (17) $53,732. W. C. Johnson, 512 South High St., Belleville (7) $13,789 (14) $11,569 (15) $25,952 (18) $13,500 (19) $75,000. Vincennes Bridge Co., Vincennes, Ind., (8) $7,947. M. Frazier, Louisville, (9) $10,021. Ferguson Constr. Co., Rockford, (10) $75,975 (17) $56,909. Porter-McCully Co., Mackinaw, (11) $16,482 (12) $103,700. E. H. Riebe, Lincoln, (13) $20,901. Carmine Constr. Co., Sullivan, (13) $21,719. G. C. Fairclo, Milburn, (13) $22,188. A. H. Ladd, Edwardsville, (14) $11,561. Parkham Constr. Co., East St. Louis, (15) $25,598 (19) $75,500. M. & P. Contg. Co., Rockport, Ind. (16) $39,700. Roth Bros. & Akers, Ottumwa, Ia., (16) $41,000. Stressenreuter Bros., 3020 South Halstead St., St. Louis, Mo., (17) $57,884. B. Harrison, Decatur, (20) $2,263 (22) $11,700. B. Griesen, Bloomington, (20) $2,582. Continental Bridge Co., 460 Monadnock Bldg., Chicago, (21) $8,503. Noted June 29.

Missouri—State Hy. Dept. at div. office, Canton, opened bids June 30, one 85 ft. steel, one 30 ft. rein.-con. spandrel filled arch, one 24 ft. and three 30 ft. rein.-con. deck girder, one 14 ft., and two 20 ft. rein.-con. slab spans, 18 ft. roadways, on Federal Aid Project 38, Lewis Co., from O. J. Hanick, 4066 Lindell St., St. Louis, $35,370. Noted May 4.

CONTRACTS AWARDED

Michigan — State Hy. Dept., Lansing, Bridge 3,807,001, grading and drainage structures on 0.396 mi. road, and abutments for subway under Michigan Central R.R. tracks, 1,683 cu.yd. rein.-con., 26,921 lb. steel, 15,442 cu.yd. earth approach and fill, etc., to Fargo Eng. Co., Jackson, $45,303. State to furnish cement.

Bridges (Continued)

Ia., Newton—Jasper Co. 2 high truss bridges to Vinton Eng. and Constr. Co., Vinton, $38,932. Concrete figures $25.95 per cu.yd.

Ia., Waukon—Allamakee Co. to A. Olson Constr. Co., Waterloo, 1 high truss, 1 I-Beam, 18 box culverts and extensions, $40,636, concrete figures $27.92 per cu.yd.; J. C. Beede, Waukon, 30 box culverts and extensions, $14,532, concrete figures $19.57 per cu.yd.; W. C. Bender, Waukon, 10 box culverts, $6,153, concrete figures $24.13; Pittsburgh-Des Moines Steel Co., 4th St. south of Tuttle St., Des Moines, 10 box culverts, 1 I-Beam, 1 pony truss, $20,480, concrete figures $30.39 per cu.yd.; J. J. Thomas, Waukon, 6 box culverts $2,729, concrete figures $22.18 per cu.yd.; J. B. Elliott, Fairbank, 20 box culverts and extensions $11,900 concrete figures $25.48 per cu.yd.

Minn., Moorhead — See "Streets and Roads."

Tex.—Waco-McLennan Co., concrete culverts and bridges on 10 mi. lateral roads in Mart Dist., to McCoy & Richards, Arlington, $37,886.

Colorado—State Hy. Dept., Denver, 11 timber bridges, Lincoln Co., to A. R. Mackey, Sterling, $37,738. Engrs. est. $37,192. Noted July 6.

Wash., Central Ferry (Penawawa P.O.)—State Hy. Comm., Olympia, 700 ft. steel bridge across Snake River on Inland Empire Highway, here, connecting Whitman and Garfield Counties, to Penn Bridge Co., Beaver Falls, Pa., 4,270 cu.yd. concrete at $21 to $27.50 per cu.yd., 1,900,000 lb. structural steel $0.0767 per lb., 210,000 lb. steel reinforcing bars $0.059, 3,000 cu.yd. earth approach and fill, $8.50 per cu.yd., etc., total $283,297. Engrs. est. $300,000. Noted June 15.

Ont., Orangeville—Garafraxa and East Luther Twps., Dufferin Co., two bridges over Grand River, 100 ft. concrete truss to J. Langdon, Kenilworth, $18,374; 180 ft. concrete bridge with two concrete arch trusses, to J. Kidd, Inglewood, $22,055. Noted June 22.

Dams

BIDS DESIRED

N. Y., Newburgh—Aug. 14, by W. J. McKay, city mgr., dams at Silver Stream. G. W. Fuller and J. C. Harding, 170 Bway., New York City, engrs.; adv. this issue.

Railways

PROPOSED WORK

New York — Bd. Contract & Supply, Rochester, soon takes bids removing car tracks on Augustine St. from side to center of street. $33,000. C. A. Poole, city engr.

Missouri—Kansas City, Kaw Valley & Western R.R., 919 Baltimore St., Kansas City, purchased Kansas City Outer Belt & Electric R.R. and plans to expend $500,000 on improvements, incl. regrading and relaying with 80 lb. steel rail in several places, constructing overhead crossing and number of bridges. W. R. Taylor, vice pres. and genl. mgr.

BIDS DESIRED

New York—Aug. 15, by Transit Comn., 49 Lafayette St., New York, installing tracks for portion of 14th St.-Eastern Line in Boros. of Manhattan and Brooklyn. Former bids rejected. G. C. McAneny, chn. Noted July 6.

CONTRACTS AWARDED

Quebec — Montreal Tramways Co., 78 Craig St. W., Montreal, will lay 3,187 ft. double track on Church Ave., Verdun, from Wellington St. to Aqueduct. $133,427. Work will be done by day labor. R. B. Graves, ch. engr.

Excavation and Dredging

PROPOSED WORK

La., Alexandria—Soon takes bids improving 7th St. Ditch and other drainage improvements. $100,000 bonds voted for project. V. M. Ake, clk.

Ky., Morganfield—Bd. Drainage Comrs., Union Co., soon takes bids 11 mi. open ditches, 300,000 cu.yd. excav., floating dredge work. N. R. Orcutt, ch. engr.

Mich., Detroit—Wayne Co., Macomb Co. (Mt. Clemens) and Oakland Co. (Rochester) making plans Stevens and Base Line Drain No. 1, 4,758 ft. long, average depth 5 ft., width at bottom 2 ft.; Stevens and Base Line Drain No. 2, 14,700 ft. long, depth varying from 7 ft. to 4.5 ft., average width at bottom 2 ft. $25,000. G. A. Dingman, County Bldg., engr.

Wis., Kenosha—Kenosha Co., Drainage Bd., c/o A. L. Drury, attorney, 210 Market St., making preliminary plans draining 8 sq.mi. Dist. 2, Mud Lake, part open ditch and part tile drains. W. E. O'Brien, 791 Sheridan Rd., engr.

Wis., Madison—Dane Co. Drainage Bd., c/o P. H. Hintze, Court House, plans dredging Yahara River. $75,000. Engineer not selected.

Wis., Mayville—Dodge Co. Farm Drainage Bd., having plans prepared 15,000 ft. 10-18 in. drian tile, some open ditch work. $25,000. L. M. Schindler, 717 Clark St., Appleton, engr.

Minn., New Ulm—L. G. Vogel., and Brown Co. takes bids about Aug. 19, drainage work, 27,050 ft. 6-26 in. tile. C. Case, New Ulm, engr.

Neb., North Platte—D. D. 1, Lincoln Co., plans drainage system, 22.8 mi. open ditches, 16.4 mi. tile drains, 884,000 cu.yd. excav. $260,000. W. A. Kelly, c/o Federal Land Bank of Omaha, Omaha, dist. engr.

Cal., Paradise—Paradise Irrigation Dist. takes bids about Aug. 7, replacing 1,300 ft. open canal with wood stave pipe line and completing distributing system. $65,000 bonds voted. L. M. Edwards, Paradise, supt.

BIDS DESIRED

Mo., New Madrid—Aug. 7, by C. L. V. Jones, clk. New Madrid Co., and W. B. Rossiter, engr., New Madrid, main ditch and Laterals 1 and 2, in D. D. 36, 124,552 cu.yd. excav.; main ditch and laterals 1, 2 and 3 in D. D. 37, 49,925 cu.yd. excav.

Ark., Varner—Aug. 15, by Comrs. Cummins D. D., Lincoln and Desha Counties, at office of Penitentiary Comn., State Capitol Bldg., Little Rock, 5½ mi. main ditch, 10 ft. deep, 45 ft. bottom, 428,117 cu.yd. excav.; 3 mi. lateral ditches, 6 ft. deep, 6 ft. bottom, 31,000 cu.yd. excav. Parkes Eng. Co., Citizens Bank Bldg., Pine Bluff, engrs.

BIDS RECEIVED

N. Y., Brooklyn—C. L. Cadle, supt. Pub. Wks., Albany, opened bids July 25, dredging portion of Henry St. slip at Gowanus Bay, here, Terminal Contr. 90, from Taylor Dredging Co., Communipaw Ave., Jersey City, N. J., $19,085; Great Lakes Dredge & Dock Co., 17 Battery Pl., New York City, $21,184; Columbia Dredging Corp., 30 Church St., New York City, $22,235. Noted June 29.

Streets and Roads

PROPOSED WORK

N. Y., Bath—Defeated $25,000 bond issue paving various streets. Noted July 13.

N. Y., Hornell—Authorized $100,000 for new brick pavements.

Pa., Erie—See "Miscellaneous."

Pa., Franklin—Comrs. Venango Co. plan paving 1.5 mi. Reno-Oil City Rd., concrete, 16 ft $25,000. Co. Eng. Dept., engrs.

Pa., Pittsburgh—Plans repaving Milwaukee St. from Herron to Jefferson Sts., 30 ft. wide. $44,000. C. A. Finley, dir. pub. wks.

D. C., Wash.—Dist. Comrs., 509 Dist. Bldg., plan paving various streets. $235,000 appropriated.

D. C., Wash.—Dist. Comrs., 509 Dist. Bldg., plan grading and paving various streets. $70,000 appropriated.

Va., Norfolk—Making plans and soon takes bids concrete paving New York Ave. $8,700, Harrington Ave. $7,70, Claremont St. $18,000; draining Omohundro Ave. $9,235. C. E. Ashburner, city engr.

Va., Petersburg—Making plans and soon take bids constructing 3 mi. of 18-30 ft. concrete road. $60,000. L. Budd, city engr.

Fla., Bushnell—Sumpter Co. plans to vote on $54,000 bonds for paving with asphalt and crushed rock 4 mi. road from Center Hill west to Main Rd.; $54,000 4 mi. road from Wildewood to Lake Co. line; $18,000 road from Main Highway to Dade Memorial Park. W. N. Potter, co. clk.

Fla., Melbourne—Aug. 12, to vote on $70,000 bonds grading, widening, paving and laying storm sewers in various streets.

Tenn., Knoxville—Plans asphalt paving 7 mi. Snabs Blvd., 35 ft. W. T. Brooks, Knoxville, engr.

Tenn., Rutledge—Grainger Co. making plans grading 50 mi. and paving 25 mi. road, 22 ft., macadam. $204,000. W. Bewely, Knoxville, engr.

Tenn., Sevierville—Plans paving, guttering and grading various streets, 20-30 ft. $75,000.

La., Minden—Webster Parish will sell $325,000 bonds Aug. 22 building roads and bridges in Road Dist. 1. C. R. Davis, clk.

Ky., Morganfield—Soon takes bids brick paving, curbing, guttering and laying sidewalks on 2 mi. various streets. N. R. Orcutt, city engr.

O., Warren—Plans to issue $93,000 bonds paving and widening etc., 3,925 ft. East Market St. G. T. Hecklinger, city clk.

Ind., Cannelton—Perry Co. received no bids grading and gravel surfacing 17,240 ft. Hanser Rd., 16 ft. $37,000. Will readvertise. County Surveyor, Cannelton, engr.

Mich., Hamtramck (Detroit P. O.)—Making plans paving 2,599 ft. Lumpkin Ave. from Caniff to Carpenter Ave., 24 ft., 6,853 sq.yd. asphalt or concrete, 5,136 lin.ft. combined concrete curb and gutter, 3,080 cu.yd. earth excav., etc. G. Jerome, 1331 Majestic Bldg., Detroit, engr.

Wis., Beloit—Soon receives bids resurfacing 10,000 sq.yd. State St. from Public Ave. to State line, 13,000 sq.yd. Portland Ave. from 4th to Lincoln Aves. Bids to be asked on various types. G. E. Helbink, City Hall, engr.

Kan., Garnett—Anderson Co. plans gravel surfacing 4.121 mi. King of Trails Highway, Sect. A, Federal Aid Project 113, 18 ft. J. P. Irons, co. engr.

Kan., Wellington—Sumner Co. had plans prepared grading 8.425 mi. Meridian Rd., Sects. D. and E, Federal Aid Project 35, 29½ ft. J. W. Mavity, Wellington, engr.

Nebraska—State Hy. Dept., Lincoln, plans gravel surfacing 8 mi. Project 3, Grand Island West; grading Project 169, from Grand Island to Hastings, road from Schuyler west, Colfax Co.; paving Project 98 B, Crete east, 690 lin.ft. concrete, bitulithic, brick, asphalt or asphaltic concrete, 20 ft., with 12 in. flat curb both sides, 5,910 lin.ft. 4 in. gravel, 20 ft.; grading and clay surfacing Project 197, Springview to Ainsworth, Keyapaha and Brown Counties. G. E. Johnson, state highway engr.

Neb., Lincoln—Plans paving 6 blocks Dist. 490, 11th St. from Van Dorn to High Sts., High St. from 11th to 13th Sts.; 1 block Dist. 491, Plum St. from 14th to 15th Sts.; 5 blocks Dist. 492, 10th St. from D to Garfield Sts.; 2 blocks Dist. 493, 28th St. from Holdredge to Potter Sts.; 16 blocks Dist. 494, A St. from 11th to 1st Sts., west half of A St. from 1st St. to Folsom Ave.; 1 block Dist. 131, alley between 17th and 18th Sts. from L to M Sts. G. W. Bates, city engr.

Missouri—State Hy. Dept., Jefferson City, plans 7.329 mi. road from Cairo to Poplar Bluff, 24 ft., Federal Aid Project 5, Scott Co., 10,107 cu.yd. earth excav., 3,307 cu.yd. borrow, 16,546 sq.yd. reconstructed base course, 51,815 sq.yd. gravel pavement, 16 ft. wide, 11 in. at center, 9 in. at edges, 16,546 sq.yd. gravel surface course, etc.; 8.426 mi. road from Dexter to Malden, 24 ft., Federal Aid Project 183, Sect. C, Dunklin Co., 26,955 cu.yd. earth excav., 10,711 cu.yd. borrow, 40,356 sq.yd. of 8 in. 1 course plain concrete, 9 ft. wide, 7,257 sq. yd. of 7½ in. gravel surfacing, 7 ft. wide, 31,283 sq.yd. gravel surfacing, 16 ft. wide, 10 in. at center, 8 in. at edges, etc.; 5.801 mi. road from Dexter to Malden, 24 ft., Federal Aid Project 183, Sect. B, Dunklin Co., 17,624 cu.yd. earth excav., 4,318 cu.yd. borrow, 54,440 sq.yd. gravel surfacing 16 ft. wide, 11 in. at center, 9 in. at edges, etc.; 12.311 mi. road through Buffalo, State Aid Project 20.183, Dallas Co., 42,437 cu. yd. earth and 1,009 cu.yd. rock excav., 10,526 cu.yd. borrow, 586.5 cu.yd. concrete masonry, etc. B. H. Piepmeier, state highway engr.

Tex., Jasper—Jasper Co. plans grading and gravel surfacing 8 mi. State Highway 7, from here to Newton Co. line, 16 ft. $130,000. C. P. Hunder, co. engr.

Tex., Leonard—Voted $25,000 bond issue for street paving and improvements. Address Mayor.

Tex., Tyler—Smith Co. having plans prepared grading, surfacing with gravelly clay and bridging 7 mi. State Highway 31 from near here to Henderson Co. line, 16 ft., 20,000 cu.yd. borrow, 37,000 cu.yd. roadway earth excav., 1,440 lin.ft. concrete piles, 18,250 cu.yd. gravelly clay, 112,000 lb. reinforcing. $80,000. C. K. Caldwell, co. engr.

Cal., Crescent City—Had plans prepared improving various streets 23,900 cu.yd. grading excav., 316,300 sq.ft. grading surface, 316,300 sq.ft. asphaltic macadam pavement, 168,418 sq.ft. asphaltic macadam pavement to be rebuilt, 22,312 lin.ft. concrete curb, 55,351 sq.ft. concrete gutter, 607 lin.ft. 12 in. c. i. pipe for outfall sewer, 11,321 lin. ft. 6-12 in. vitr. pipe sewers, 893 ft. 10-24 in. corrugated iron pipe culverts, 648 ft. 18-30 in. corrugated iron segmental culverts, 2,170 lin.ft. 1 in. galvanized iron electric conduit, etc. C. Kennedy, Call Bldg., San Francisco, engr.

Cal., Merced—Had plans prepared improving 21st St., between L and R Sts., 24,630 sq.ft. grading, 24,630 sq.ft. 1½ in warrenite bitulithic on 3½ in. asphaltic con-

Streets and Roads (Continued)

crete. 914 lin.ft. concrete curbs; alleys in Blocks 84 and 112, 15,732 sq.ft. grading. 15,732 sq.ft. 1½ in. warrenite bitulithic on 2½ in. asphaltic concrete, 1,600 lin.ft. wood curbs. C. D. Martin, Merced, engr.

Ont., Hamilton—Having plans prepared asphalt paving, curbing and guttering Gibson Ave. from Wilson to Burton Aves., $22,000; Edgemont Ave. from Roxboro to Dunsmore Aves., $10,000; Roxboro Ave. from Province St. to Robins Ave., $17,000; Cannon St. from Buch to Sherman Aves., $17,000. Work involves 15,000 sq.yd. asphalt on concrete, etc. E. R. Gray, City Hall, engr.

Ont., Niagara Falls—Authorized asphalt pavements on Victoria Ave. $62,559; South Main St. $56,729. J. C. Gardner, city engr.

Ont., Stamford—Plans to construct new roads, $30,000, repairs and maintenance $20,000. M. F. Kerr, Stamford, engr.

BIDS DESIRED

Rhode Island—Aug. 16, by State Bd. Public Roads, Providence, reconstructing 2 sections State Highway, on Boston Neck Rd., in Narragansett; adv. this issue.

N. Y., Elmira—Aug. 7, by G. Jarchow, clk., paving 2,659 sq.yd. North Main St., 2,646 sq.yd. Baldwin St., 11,373 sq.yd. East and West Miller St., 3,733 sq.yd. College and West Side Aves., widening 121 sq.yd. North Main St., 3,010 sq.yd. North Main St., Sect. 2, 2,479 sq.yd. Sly St., 361 sq.yd. Irvine Pl., 300 sq.yd. Diven Ave., brick, asphalt, sheet asphalt, bitulithic or rein.-con. Noted June 29.

New York—Aug. 15, by H. S. Sisson, comr. State Hy. Dept., Albany, reconstructing roads in Columbia, Dutchess, Lewis and Orleans Counties; improving roads in Cayuga, Cortland, Essex and Orange Counties. J. C. Finch, secy.; adv. this issue.

N. Y., New York—Aug. 7, by J. Miller, pres. Manhattan Boro., Municipal Bldg., for widening and repaving with sheet asphalt on concrete, roadway Madison Ave. from 60th to 61st Sts., 57th St. from 5th to 6th Aves.; repaving with asphalt on concrete roadway 50th St. from Madison to 6th Aves., 51st St. from point 50 ft. west of westerly house line Park Ave. to 8th Ave., also paving granite block on concrete between rails of track from 6th Ave. to point 210 ft. westerly.

N. Y., St. George—Aug. 10, by J. A. Lynch, pres. Richmond Boro., grading Lincoln Ave. from South Railroad Ave. to Southfield Blvd., 50 ft.

N. Y., St. George—Aug. 8 by J. A. Lynch, pres. Richmond Boro., reconstructing with concrete pavement roadway Richmond Turnpike from Bulls Head to Linoleumville factory.

N. J., Freehold—Aug. 7, by Mayor and Council, reconstructing Bowne Ave. C. A. Niles, boro. engr.; adv. this issue.

N. J., Woodbury—Aug. 15, by Bd. Freeholders Gloucester Co., reconstructing Paulsboro-Gibbstown Rd. W. C. Cattell, co. engr.; adv. this issue.

Pa., Ashville—Aug. 14, by Boro. Council, c/o Cambria Co. Controller (Ebensburg), paving 3,000 ft. Broad St. and Dry Gap Rd. known as Main St., 20 ft., $30,000, separate bids on 245,000 No. 1 repressed vitr. paving block. O. P. Thomas, Johnstown, engrs.

Pa., Ebensburg—Aug. 14 by Supervs. East Taylor Twp., c/o Cambria Co. Controller, paving 4,800 ft. Mineral Point Rd. starting at West Point, 18 ft., $40,000, separate bids on 360,000 No. 1 repressed brick; by Supervs. Conemaugh Twp., c/o Cambria Co. Controller, 5,460 ft. Clapboard Run Rd., 18 ft., $55,000, separate bids on 438,000 No. 1 repressed brick. O. P. Thomas, Park Bldg., Johnstown, engr.

Pa., Franklin—Aug. 7 paving 6,200 sq.yd. Otter, Eagle and Chestnut Sts., brick on concrete. $25,000. J. McSnow, City Hall, engr.

Pa., Scalp Level (Windber P. O.)—Aug. 14 by Scalp Level Boro., c/o Cambria Co. Controller (Ebensburg), paving 2,500 ft. Main St., 20 ft., $25,000, separate bids on 210,000 No. 1 repressed vitr. brick. O. P. Thomas, Park Bldg., Johnstown, engr.

Pa., Youngsville—Aug. 17, by C. W. Spencer, boro. secy., paving 3,637 ft. Main St., 18 ft., one course rein.-con. $25,000. Noted June 1.

Maryland—Aug. 15, by State Roads Comn., Baltimore, building seven sections state highways in following counties, Garford Co., Contr. H-28; Somerset Co., Contr. F-56; Montgomery Co., Contr. M-36; Harford Co., Contr. H-28; Someset Co., Contr. S-16; Worcester Co., Contr. WO-27; Howard Co., Contr. HO-25. J. N. Mackall, chn.; adv. this issue.

Va., Petersburg—Aug. 10, by L. Brownlow, city mgr., 3 mi. road, 18 to 30 ft. wide, incl. 14,400 sq.yd. concrete. R. D. Budd, city engr.

North Carolina—Aug. 30, by State Hy. Comn., Raleigh, improving 10.47 mi. State Project 822, Cleveland Co., 12 acres clearing, 89,000 cu.yd. common and 4,300 cu.yd. rock excav., 3,502 ft. 15-30 in. concrete pipe, 110,620 sq.yd. concrete or asphaltic paving, 670 cu.yd. concrete, 81,000 lb. reinforcing, 1,340 lb. plates and bolts, $353,000; 7.03 mi. State Project 328, Columbus Co., 8,250 cu. yd. excav., 74,260 sq.yd. concrete or asphaltic paving, $199,000; 2.1 mi. State Project 590, Rockingham Co., 4,600 cu.yd. common and 1,200 cu.yd. rock excav., 342 ft. 15-24 in. concrete pipe, 19,720 sq.yd. concrete or asphaltic paving, etc., $57,200; 7.12 mi. State Project 106, Bertie Co., 18 acres clearing, 42,000 cu.yd. common excav. and borrow, 3,000 cu.yd. drainage ditches, 454 ft. 18-30 in. concrete pipe, 18,800 cu.yd. topsoil, 533 cu.yd. concrete, 66,400 lb. reinforcing, 1,050 ft. untreated timber piles, etc., $43,000; 9.55 mi. State Project 658, Mecklenburg Co., 34,400 cu.yd. common excav., 1,314 ft. 15-36 in. concrete pipe, 58,870 sq.yd. concrete or asphaltic paving, 297 cu.yd. concrete, 15,200 lb. reinforcing, $213,400; 11.06 mi. State Project 712, Ashe Co., 111,600 cu.yd. common and 16,600 cu.yd. rock excav., 222 cu.yd. rubble masonry, 2,806 ft. 15-30 in. concrete pipe, 29,300 cu. yd. topsoil, $69,000; 3.84 mi. State Project 847, McDowell Co., 27 acres clearing, 25,600 cu.yd. common and 41,200 cu.yd. rock excav., 571 cu.yd. concrete, 43,000 lb. reinforcing, 730 cu.yd. rubble masonry, $64,900; 7.59 mi. State Project 901, Buncombe Co., 77,100 cu.yd. common and 10,000 cu.yd. rock excav., 2,224 ft. 18-30 in. concrete pipe, 83,270 sq.yd. concrete or asphaltic paving, 519 cu.yd. concrete, 54,000 lb. reinforcing, etc., $280,900; 15.8 mi. State Project 882, Rutherford Co., 154,400 cu.yd. common and 6,000 cu.yd. rock excav., 3,476 ft. 15-30 in. concrete pipe, 40,920 cu.yd. topsoil, 614 cu. yd. concrete, 38,000 lb. reinforcing, etc., $92,000. C. M. Upham, state highway engr.

N. C., Raeford—Aug. 10, by Bd. Town Comrs., 15,000 sq.yd. concrete or asphaltic paving. Taplin & Perkins, High Point, engrs. Noted May 4.

S. C., Charleston—Aug. 24, by Comrs. Charleston Co., grading and surfacing 2.17 mi. road between Navy Yard and Port Terminals, 5,564 cu.yd. excav., 20,375 sq.yd. concrete surfacing. Sanitary and Drainage Comn., Broad St., engrs.

S. C., Orangeburg—Aug. 22, by Orangeburg Co., paving 1.59 mi. Orangeburg-Bamberg Rd., 3,198 cu.yd. excav., 16,837 sq.yd. plain concrete, bituminous concrete or sheet asphalt, etc., on 5 in. concrete.

S. C., Pickens—Aug. 15, by Pickens Co., improving 8.525 mi. Pickens-North Carolina Rd. between point near Reedy Cove Gap and North Carolina State line, work to be done in two sections, first section 1.54 mi. long, 25,978 cu.yd. common and 4,032 cu. yd. rock excav., 16,338 sq.yd. crushed stone surfacing, etc.; other section 6.97 mi. long, 144,600 cu.yd. common excav., 12,434 cu.yd. rock in retaining wall, 9,379 cu.yd. topsoil, 21,894 sq.yd. crushed stone surfacing, 5,191 lin.ft. rein.-con. pipe.

Ga., Americus—J. B. Ansley, engr., Courthouse, Sumter Co., taking bids surfacing 7 mi. Americus-Ellaville Rd., 50,000 sq.yd. bituminous macadam.

Louisiana—Aug. 10, by Highway Comn., Baton Rouge, gravel surfacing Homer-Minden Highway, Sects. A and B, Projects 364 and 365, 3,685 cu.yd. washed gravel, 5,475 cu.yd. sand clay gravel not less than 40% stone. J. M. Fourmy, state highway engr.

Tenn., Nashville—Aug. 16, at office S. H. McKay, city clk., resurfacing various streets with granite block and bituminous concrete, also grading and paving various streets asphaltic pavement. F. Z. Wilson, mayor; adv. this issue.

O., Columbus—Aug. 11, by Dept. Highways and Pub. Wks., grading, bridging and paving roads in the following counties: Allen Co., Sect. "A" Delphos-Kalida Rd., 0.66 mi., bituminous macadam, asphalt or tar, $14.478; Ashland Co., Sect. "Loudonville" Columbus-Wooster Rd., 0.208 mi., brick, $16,183; Crawford Co., Sect. "G" Bucyrus-Cresline Rd., 1.69 mi., rein.-con. $64,821, bituminous macadam, asphalt or tar, $57,254, brick $64,776; Cuyahoga Co., Sect. "A" Chagrin Falls-Cuyahoga Falls Rd., 2.731 mi., rein.-con., $81,534, brick $128,497; Franklin Co., Sect. "B" Columbus-Wooster Rd., 4.113 mi., Proposal No. 1 and Proposal No. 2 combined, waterbound macadam $69,587, brick $108.986; Gallia Co., Sect. "A-1" Gallipolis-Crown City Rd., 0.86 mi., plain concrete, $31.909; Guernsey Co., Sect. "F" and "Liberty" Cambridge-Newcomerstown Rd., 1.672 mi., rein.-con., $51,406; Guernsey Co., Sect. "G-1" Cambridge-Newcomerstown Rd., 2.036 mi., rein.-con., $64,504; Jefferson Co., Sect. "K-1" Ohio River Rd., 2.157 mi., brick, $112,248; Medina Co., Sect. "Medina West" Ashland-Medina Rd., 0.83 mi., rein.-con., $33,131, mono-brick $37,693; Meigs Co., Sect. "L" Pomeroy-Athens Rd., 2.845 mi., rein.-con., $78,727, bituminous macadam, asphalt or tar, $76,692; Morrow Co., Sect. "J" Marion-Galion Rd., 2.233 mi., bituminous macadam, asphalt or tar, $72,495; Morrow Co., Sect. "L" Mt. Gilead-Mansfield Rd., 6.322 mi., Kentucky rock asphalt, $196,895, bituminous concrete, $197.813, rein.-con., $200,904; Scioto Co., Sect. "R-2-a" Ohio River Rd., 3.139 mi., mono-brick, $129,068, rein.-con., $115,500, bituminous macadam, asphalt or tar, $105,851; Seneca Co., Sect. "A-1" Columbus-Sandusky Rd., 0.69 mi., concrete curb only $2,772; Washington Co., Sect. "K-2" Marietta-Caldwell Rd., 4.88 mi., rein.-con., $150,660.

O., Columbus—Aug. 15, by Dept. Highways and Pub. Wks., grading, bridging and paving 2.002 mi. Sect. "P" Akron-Wooster Rd. in Wayne Co., rein.-con. $52,697, monolithic brick $58,497, bituminous concrete $61,509.

O., Grandview Heights (Columbus P. O.)—Aug. 14, by Village Clerk, grading, paving with bituminous macadam, asphaltic concrete or sheet asphalt and building walks on following streets: Oakland Ave. (South) 680 ft. long, 50 ft. wide, 1,563 cu.yd. excav., 1,660 sq.yd. paving, 725 sq.yd. sidewalk and 1,304 lin.ft. curbs and gutters; Merrick Rd., 1,050 ft. long, 60 ft. wide, 965 cu. yd. excav., 2,824 sq.yd. paving, 1,096 sq. yd. sidewalk and 2,110 lin.ft. curbs and gutters; Broadview Ave., 1,018 ft. long, 60 ft. wide, 1,920 cu.yd. excav., 2,400 sq.yd. paving, 1,100 sq.yd. sidewalk and 1,964 lin.ft. curbs and gutters; Ashland Ave., 1,018 ft. long, 50 ft. wide, 3,258 cu.yd. excav., 2,415 sq.yd. paving, 1,100 sq.yd. sidewalk, 1,970 lin.ft. curbs and gutters; Oakland Ave. (North), 1,175 ft. long, 50 ft. wide, 2,753 cu.yd. excav., 2,775 sq.yd. paving, 1,263 sq.yd. sidewalk and 2,264 lin. ft. curbs and gutters; Elmer Ave., 952 ft. long, 50 ft. wide, 1,422 cu.yd. excav., 2,415 sq.yd. paving, 1,100 sq.yd. sidewalk, 1,970 lin.ft. curb and gutters; Elmwood Ave., 1,018 ft. long, 50 ft. wide, 2,105 cu.yd. excav., 2,415 sq. yd. paving, 1,100 sq.yd. sidewalk, 1,970 lin. ft. curb and gutters; 2nd Ave., 864 ft. long, 60 ft. wide, 4,148 cu.yd. excav., 2,262 sq.yd. paving, 925 sq.yd. sidewalk and 1,900 lin. ft. curb and gutters; Eastwood Ave., 570 ft. long, 50 ft. wide, 2,917 cu.yd. excav., 934 sq.yd. paving, 220 sq.yd. sidewalk and 785 lin.ft. curb and gutters; Virginia Ave., 500 ft. long, 50 ft. wide, 1,604 cu.yd. excav., 833 sq.yd. paving, 350 sq.yd. sidewalk and 650 lin.ft. curbs and gutters; Oxley Rd., 3,612 ft. long, 50 ft. wide, 10,888 cu.yd. excav., 9,059 sq.yd. paving, 3,783 sq.yd. sidewalk and 6,660 lin.ft. curb and gutters. All to be awarded to one bidder. Total cost, $140,000. Burgess & Niple, 223 East Broad St., Columbus, engrs.

O., Dayton—Aug. 7, by G. F. Baker, dir. pub. service, paving 1,000 ft. Five Oaks Ave. from Forest to Old Orchard Aves., 30 ft. wide, brick, cement curb and gutter, $19,600; repaving 1,500 ft. Monument Ave. from Main to Kenton Aves., 40 ft., brick, or brick gutters with asphalt, $25,000; 3 alleys, 1,750 ft. long, 16 ft. wide, rein.-con., $9,500. I. E. Houk, city engr.

Indiana—Aug. 8, by State Hy. Comn., Indianapolis, grading and gravel surfacing 8.877 mi. French Lick Rd., 16 ft., in Dubois Co., $76,000; grading and concrete paving, 3.26 mi. Dixie Bee Line, 16 ft., in Sullivan Co., 18,932 sq.yd. concrete on concrete, $65,000. State Hy. Dept., engrs.

Ind., Jeffersonville—Aug. 7, by Comrs. Clark Co., grading and paving 9,343 ft. James Helger Rd., 16 ft., 10,277 sq.yd. concrete on concrete. $38,500. County Surveyor, Jeffersonville, engr.

Ind., Princeton—Aug. 7, by Comrs. Gibson Co., grading and paving with crushed stone, 14,807 ft. C. B. Smith Rd., $28,000; 13,604 ft. W. C. Barrett Rd., $26,500; 15,748 ft. Chas. Sidle Rd., $29,000, all 18 ft. County Surveyor, Princeton, engr.

Michigan—Aug. 8, by State Highway Dept., Lansing, grading and surfacing 8.283 mi. State Trunk Line Rd. 89-4, Allegan Co., 50,576 cu.yd. excav., 77,597 sq.yd. gravel.

Michigan—Aug. 9, by State Hy. Dept., Lansing, grading and surfacing 1.063 mi. State Trunk Line Rd. 31-12, Sect. A, Huron Co., 4,930 cu.yd. excav., 11,228 sq.yd. asphalt, concrete or bituminous concrete.

Illinois—Aug. 18, by Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, gravel surfacing 1.68 mi. Route 7, Sect. N-29-A, Madison Co., 16 ft., paving 5.37 mi. Route 1, Sect. 25, Clark Co., 5.04 mi. Route 3, Sect. 8, Rock Island Co., 0.61 mi. Route 6, Sect. 28, Whiteside Co., 1.67 mi. Route 6, Sect. 29, Whiteside Co., 5.94 mi. Route 9, Sect. 9, McLean Co., 3.75 mi. Route

Streets and Roads (Continued)

9, Sect. 10, McLean Co., 6.58 mi. Route 22, Sect. 13, Will Co., 0.77 mi. Route 22, Sect. 17, Kane Co., 5.09 mi. Route 31, Sect. 5, Adams-Brown Co., 5.67 mi. Route 31, Sect. 6, Brown Co., 5.81 mi. Route 38, Sect. 1, Jersey Co., 4.87 mi. Federal Aid Project 26, Sect. 21, Logan Co., 5.68 mi. Federal Aid Project 26, Sect. 22, Logan Co., 5.28 mi. Federal Aid Project 27, Sect. 36, Tazewell Co., 5 mi. Federal Aid Project 28, Sect. 26, Livingston Co., 4.23 mi. Route 29, Sect. 36, Iroquois Co., 6.6 mi. Route 29, Sect. 37, Iroquois Co., 2.9 mi. Federal Aid Project 29, Sect. 38-D, Iroquois Co., 3.66 mi. Federal Aid Project 30, Sect. 15, Kankakee Co., 5.63 mi. Federal Aid Project 30, Sect. 16, Kankakee Co., 4 mi. Federal Aid Project 30, Sect. 17, Will Co., 4.17 mi. Federal Aid Project 32, Sect. 11, Jefferson Co., 3.4 mi. Federal Aid Project 32, Sect. 12, Jefferson Co., 5.42 mi. Federal Aid Project 32, Sect. 13, Washington-Jefferson Co., 5.16 mi. Federal Aid Project 33, Sect. 42, Fulton Co., 5.37 mi. Federal Aid Project 36, Sect. 66, Woodford-Marshall-La Salle Co., 4.91 mi. Federal Aid Project 36, Sect. 67, Marshall-La Salle Co., 5.21 mi. Federal Aid Project 38, Sect. 45, Schuyler Co., 3.64 mi. Federal Aid Project 38, Sect. 46, Schuyler Co., 5.04 mi. Federal Aid Project 39, Sect. 2, Carroll Co., 6.63 mi. Federal Aid Project 44, Sect. 2, Christian Co., 0.35 mi. Route 6, Sect. E, Bond Co., 0.94 mi. Route 15, Sect. K-29-A, La Salle Co., all foregoing 18 ft. Alternate bids on following types; portland cement concrete, monolithic brick (4 in. brick) bituminous filled brick (3 in. brick) bituminous concrete with binder course (specifications C1, C2, C3 or CT) bituminous concrete without binder course (specifications C1, C2, C3 or CT). Grading 90,505 cu.yd. Route 1, Sect. 29-A, White-Gallatin-Saline Co., 30,125 cu.yd. Route 1, Sect. 30-A, Saline Co., 47,500 cu.yd. Route 1, Sect. 31-A, Saline Co., 45,895 cu.yd. Route 1, Sect. 33-A, Saline Co., 60,410 cu.yd. Route 1, Sect. 34-A, Williamson-Johnson Co., 31,400 cu.yd. Route 1, Sect. 35-A, Johnson Co., 55,970 cu.yd. Route 1, Sect. 36-A, Johnson Co., 52,010 cu.yd. Route 1, Sect. 37-A, Johnson Co., 56,049 cu.yd. Route 3, Sect. 37-A, McDonough Co., 67,020 cu.yd. Route 8, Sect. 32-A, Woodford Co., 42,225 cu.yd. Route 8, Sect. 37-A, Tazewell Co., 42,120 cu.yd. Route 9, Sect. 9-A, McLean Co., 26,370 cu.yd. Route 9, Sect. 10-A, McLean Co., 37,340 cu.yd. Route 12, Sect. 15-A, Marion Co., 36,865 cu.yd. Route 28, Sect. 44-A, Knox-Henry Co., 31,550 cu.yd. Route 28, Sect. 5-A, Henry Co., 25,797 cu.yd. Federal Aid Project 26, Sect. 25-A, Logan Co., 60,930 cu.yd. Federal Aid Project 33, Sect. 43-A, Fulton Co., 46,830 cu.yd. Route 38, Sect. 44-A, Schuyler Co. Proposals will be considered for the sections separately and also for specified combinations. C. Older, ch. highway engr.

Ill., Morris—Aug. 15, by Bd. Supervs. Grundy Co., paving 6,584 ft. Route 2, Sect. E-15-D, 18 ft. portland cement concrete. $29,613. E. G. Cryder, chn.

Ill., Sycamore—Aug. 9 at office J. G. Betty, clk., for 9,140 sq.yd. bituminous macadam and 580 sq.yd. rein.-con. paving, 5,138 ft. concrete curb.

Wis., Johnson Creek—Aug. 11, by W. A. Christians, village clk., and Jefferson Co. State Road & Bridge Com., concrete surfacing etc., Milwaukee St. from Union to South Sts., Watertown St. from Milwaukee to Lincoln Sts., incl., 2,062 lin.ft. combined curb and gutter, 2,144 cu.yd. earth excav., 7,803 sq.yd. concrete, etc. $25,000. Parsons & Orbert, 216 West Water St., Milwaukee, engrs.

Wis., Milwaukee—Aug. 8, by W. Cary, clk. Milwaukee Co., paving Oklahoma Ave. from Howell Ave. to Old Chicago Rd., 6,800 sq.yd. asphalt on concrete, 5,900 cu.yd. earth excav. $30,000. W. Cavanaugh, Court House Annex, engr.

Ia., Council Bluffs—Aug. 7, paving 10,971 sq.yd. various streets. $28,000. E. E. Spetman, city engr.

Ia., Garner—Aug. 8, by Auditor Hancock Co., grading 6.37 mi. Federal Aid Project 139, Sect. A, between here and Klemme, 62,449 cu.yd. excav.; gravel surfacing 16.219 mi. Federal Aid Project 139, Sect. A, from Klemme south to county line, and from here north, 25,301 cu.yd. gravel.

Minn., Two Harbors—Aug. 23, by I. W. Foote, aud. Lake Co., 39.5 mi. State Project 1-01, Federal Aid Project 282, between Little Marais and Two Harbors, 549,000 cu.yd. excav., portable and monolithic culverts; Bridge 3457, 150 ft., Bridge 3459, 380 ft., Bridge 3460, 80 ft., Bridge 3582, 220 ft., Bridge 3586, 60 ft., Bridge 3587, 50 ft., Bridge 3588, 60 ft., Bridge 3590, 40 ft., Bridge 3887, 23 ft., all concrete. State Highway Dept., 1246 University Ave., St. Paul, engrs.

Minn., Willmar—Aug. 10, by S. Nelson, aud. Kandiyohi Co., 6 mi. State Rd. 2, Job 2207, 6,000 cu.yd. excav., 10,000 cu.yd. overhaul; 6 mi. State Rd. 2, Job 2208, 64,940 cu.yd. excav., 96,400 cu.yd. overhaul; County Rd. between Kandiyohi and Meeker Counties, 5,000 cu.yd. excav. $25,000.

Wyo., Casper—Aug. 7, paving and building storm sewers in Lincoln St. from 6th to 2nd Sts., Paving Dist. 22, 11,948 sq.yd. paving, 370 lin.ft. 10 in. and 765 lin.ft. 12 in. tile sewer, 220 cu.yd. excav., etc., $40,135; 980 ft. South Jackson St., Dist. 21, 4,988 sq.yd. pavement, 1,060 ft. 12 in.vitr. tile sewer, 850 cu.yd. excav., etc., $17,655; East 1st St. from Durbin to Grant Sts., also Grant, Kimball, Park and Beech Sts., Dist. 19, alternate bids on concrete, bituminous concrete and btiulithic, $57,313-$77,902; 1,940 ft. North McKinley and Fast C Sts., alternate bids on concrete, bituminous concrete and bitulithic, $27,376-$36,160. F. S. Knittle, Box 1143, engr.

Missouri—Aug. 11, by State Highway Dept. at div. office, Kennett, 5.801 mi. road from Dexter to Kennett, Federal Aid Project 183 B, Dunklin Co., 17,624 cu.yd. earth excav., 4,318 cu.yd. borrow, 7,600 cu.yd. per 100 ft. overhaul, 54,440 sq.yd. gravel surfacing, 87.1 cu.yd. concrete, 5,027 lb. reinforcing; 8.426 mi. road from Dexter to Kennett, Federal Aid Project 183C, Dunklin Co., 26,955 cu.yd. earth excav., 10,711 cu.yd. borrow, 5,000 cu.yd. per 100 overhaul, 40,356 sq.yd. 1 course plain concrete pavement, 38,540 sq.yd. gravel pavement, 10 in. at center, 18 in. at edges, 80.2 cu.yd. concrete, etc. B. H. Piepmeier, Jefferson City, state highway engr.

Missouri—Aug. 14, by State Highway Bd. at div. office, Buffalo, 12,311 mi. road from Sikeston eastward and westward, Federal Aid Project 5, Scott Co., 10,107 cu.yd. earth excav., 3,307 cu.yd. borrow, 100 cu.yd. sub-base, 16,546 sq.yd. reconstructed base course, 51,815 sq.yd. gravel pavement, 16,546 sq.yd. gravel surface course, 180 cu.yd. Class B concrete, 1,320 lb. reinforcing. B. H. Piepmeier, Jefferson City, state highway engr.

Missouri—Aug. 14, by State Highway Bd. at div. office, Buffalo, 12.311 mi. road through Buffalo, State Aid Project 20.183, Dallas Co., 42,437 cu.yd. earth and 1,009 cu.yd. rock excav., 10,526 cu.yd. borrow, 386.5 cu.yd. concrete, 40,196 lb. reinforcing, etc. $31,509. B. H. Piepmeier, Jefferson City, state highway engr.

Mo., Columbia—Aug. 7, by J. S. Bicknell, city clk., grading, curbing, guttering and paving 5 streets, Kentucky rock asphalt, also repairing, surfacing and resurfacing streets in Dists. 2, 4, 6 and 7; adv. this issue.

Tex., Halletsville—Aug. 17, by J. A. Somerlatte, judge Lavaca Co., grading, bridging, etc. 11.07 mi. State Highway 3-B, 16 ft., 64,023 cu.yd. earth excav., 1,835.8 cu.yd. concrete, 227,256 lb. reinforcing and 174,740 lb. structural steel. W. H. Koether, co. engr.

Tex., Seguin—Aug. 15, by J. B. Williams, judge, Guadalupe Co., grading, gravel surfacing, etc., 3.39 mi. State Highway 3, between Schertz and Cibolo, 16 and 18 ft., 13,194 cu.yd. borrow, 10,538 cu.yd. roadway excav., 657 cu.yd. concrete, 86,240 lb. reinforcing, 9,157 cu.yd. gravel surfacing at pits. $36,745. C. E. Sandford, res. engr.

Colorado—Aug. 8, by State Hy. Dept., Denver, paving 4.049 mi. Ft. Collins-Denver Rd., Federal Aid Project 221, Larimer Co., 18 ft., 1 acre clearing, 856 cu.yd. concrete, 12,000 cu.yd. earth and 50 cu.yd. rock excav., 14,300 cu.yd. borrow fill, 42,788 cu.yd. 1 course plain cement concrete pavement, 72,350 lb. reinforcing, $144,627, 0.433 mi. road beginning at Arkansas River Bridge north of Las Animas and extending south to Las Animas city limits, Federal Aid Project 630, Bent Co., 18 ft., 430 cu.yd. earth excav., 1,000 cu.yd. borrow fill, 4,575 sq.yd. 1 course plain cement concrete pavement, $13,184; grading 7.477 mi. Cochetopa Pass Rd. beginning at point about 6 mi. west of Saguache and extending westerly toward Cochetopa, Federal Aid Project 119-B, Saguache Co., 16 ft., 12,400 cu.yd. earth and 1,000 cu.yd. rock excav., 23,600 cu.yd. borrow fill, 398 cu.yd. concrete, 19,350 sq.yd. gravel surfacing, 20,064 lb. reinforcing, $48,632; gravel surfacing 3.634 mi. beginning 1¾ mi. northwest of Grand Junction and extending northwest toward Fruita, Federal Aid Project 209, Mesa Co., 18 ft., 13,500 cu.yd. earth and 50 cu.yd. rock excav., 800 cu.yd. borrow fill, 631 cu.yd. concrete, 7,310 cu.yd. gravel surfacing, 41,430 lb. reinforcing, $45,286, 8.341 mi. Sante Fe Trail beginning at Hasty and extending easterly toward Lamar, Bent Co., 18 ft., 9,800 cu.yd. earth excav., 26,700 cu.yd. borrow fill, 195 cu.yd. concrete, 85,977 sq.yd. gravel surfacing, 9,310 lb. reinforcing, 1 acre clearing, $58,925.

Tex., Sonora—Aug. 10, by L. W. Elliott, judge Sutton Co., grading, gravel surfacing, etc. 9.66 mi. State Highway 4, Federal Aid Project 272, 18 ft., 22,129 cu.yd. roadway and 3,520 cu.yd. rock excav., 631.5 cu.yd. concrete, 71,338 lb. reinforcing steel, (30,774 cu.yd. gravel surfacing furnished by county.) $114,000.

California—Aug. 21, by State Hy. Comn., Sacramento, grading 9.3 mi. and gravel surfacing 7.6 mi. highway between west boundary and Central House, Amador Co. A. B. Fletcher, state highway engr.

Cal., Marysville—Aug. 9, by Supervs. Yuba Co., improving 6 mi. Knox Rd., Sects. 1 and 2, 31,000 cu.yd. excav., 3,806 cu.yd. crushed rock, 4 concrete bridges, etc. L. B. Crook, co. surv.

BIDS RECEIVED

N. Y., Brooklyn—E. Riegelmann, boro pres. Boro Hall, opened bids July 26, paving (1) Bay 32nd St. from 86th St. to Benson Ave. (2) Dikeman St. from Dwight to Otsego Sts. (3) Division Pl. from Kingsland to Debevoise Aves. (4) Dumont Ave. from Barbey to Jerome Sts. (5) Hegeman Ave. from Pennsylvania to New Jersey Aves. (6) Midwood St. from Nostrand to New York Aves., (7) Rutland Rd. from Nostrand to New York Aves. (8) 19th Ave. from 72nd to 76th Stas. and 15th Ave. at intersection of 74th St. where not already paved, (9) 85th St. from 4th to 5th Aves., repaving (10) Porter Ave. from Johnson Ave. to Ingraham St., (11) Bradford St. from Liberty to Pitman Aves., (12) Cooper St. from Bway to Wilson Ave. (13) High St. from Liberty St. Plaza to Washington St. (14) Johnson Ave. from Leonard St. to Bushwick Ave. (15) Wyona St. from Dumont to Riverdale Aves, (16) 7th St. from 2nd to 3rd Aves, (17)17th St. from 6th Ave. to Prospect Park West, grading, curbing and laying sidewalks on (18) East 2nd St. from Elmwood Ave. to Ave. I, grading (19) Hinsdale St. from Hegeman to Lorraine Aves., (20) Schenectady Ave. from Crown to Montgomery Sts. also grading, curbing and flagging Empire Blvd. from Troy to Lefferts Aves. and Lefferts Ave. from Schenectady to Utica Aves., curbing and laying sidewalks on (21) Hinsdale St. from Hegeman to Lorraine Aves., curbing and paving (22) Ave. K from Ocean to Bedford Aves., (23) Sunnyside Court from Sunnyside Ave. to point 204 ft. northerly, from

Cranford Co., 52 9th St., (1) $6,393 (3) $3,217 (4) $2,271 (5) $2,453 and $2,427 (6) $6,887 (7) $6,887 (8) $13,723 (9) $13,454 (11) $10,616 (12) $42,804 (14) $35,939 (15) $13,787 (17) $21,771 (22) $14,464.

Brooklyn Alcatraz Asphalt Co., 467 Hamilton Ave., (1) $6,843 (6) $7,321 and $7,245 (7) $7,314 (8) $13,056 (9) $13,380 (17) $21,162 (22) $15,415.

Borough Asphalt Co., 1301 Metropolitan Ave., (1) $7,250 (5) $2,710 (8) $14,585 (9) $15,875 (12) $39,950 (14) $39,726 (17) $21,802 (22) $16,046.

J. D. Norton, 20 Sterling Pl., (2) $3,837 (13) $1,657 (16) $15,975 (20) $12,742 (19) $1,236 (23) $1,228.

Grimm Constr. Co., 170 McKinley Ave., (2) $3,810 (10) $3,587 (18) $1,919 (21) $2,437.

T. B. Scott, 671 Halsey St., (2) $3,949 (10) $3,548 (13) $822 (18) $1,604 (21) $2,402 (23) $1,218.

Sicilian Asphalt Paving Co., 41 Park Row, New York City, (3) $3,244, (4) $2,291 (11) $10,180 (12) $35,341 (14) $30,586 (15) $13,296.

Cleveland Trinidad Paving Co., Flushing, (3) $3,586 (4) $2,422 (5) $2,661 (6) $7,766 (7) $7,721.

Casalino Contg. Co., 217 Havemeyer St., (10) $3,367 (20) $15,320.

Uvalde Asphalt Paving Co., 1 Bway, New York City, (11) $10,978 (15) $14,336.

Greico Bros., 172 Russell St., (13) $2,095, (16) $17,410.

M. J. O'Hara, 1228 Park Ave., New York City, (16) $16,792.

Emmerett Co., Inc., (18) $1,860 (21) $2,425.

C. C. Dempsey, 516 Prospect Ave., (19) $1,195.

Catapana & Wright, (19) $1,291.

H. E. Kordes Co., 2577 Cooper St., (20) $14,940 (23) $1,473. Noted July 20.

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., opened bids July 25, grading, curbing and laying sidewalks on (1) Buckley St. from Foster Ave. to Queens Blvd., paving (2) Newtown Rd. from 13th to 16th Aves., etc, (3) 13th Ave. from Jamaica to Grand Aves. Jamaica Ave. from 13th to 14th Aves., (4) Kingsland Ave. from Luydig Pl. to 51st St., (5) 7th Ave. from Washington to Graham

Streets and Roads (Continued)

Aves., 1st Ward, recurbing (6) John St. from Metropolitan Ave. to Bleecker St., curbing, paving and laying sidewalks on (7) Park Lane from Union Turnpike to 115th St. (Hamilton Pl.), grading, curbing, recurbing, flagging, reflagging, paving, etc., (8) 46th St. from Jackson to Roosevelt Aves., Louvona Ave. from Roosevelt to Kings Aves., repairing sheet asphalt pavements in (9) 1st and 2nd Wards, from Welsh Bros. Contg. Co., 32 Queens St., (1) $3,488, (6) $4,560, (7) $38,571; Peace Bros., Inc., 20 Main St., Flushing, (1) $4,790; Cleveland Trinidad Paving Co., Flushing, (2) $11,799, (3) $14,304, (4) $36,334, (5) $13,733, (8) $73,304; Borough Asphalt Co., 1301 Metropolitan Ave., Brooklyn, (2) $12,347, (3) $15,120, (4) $40,908, (5) $14,515, (8) $69,500, (9) $19,682; W. J. Fitzgerald, 547 West 45th St., New York City, (2) $12,955, (3) $15,984, (4) $38,852, (5) $12,566, (8) $63,637; Kennedy & Smith, 93 Amity St., Flushing, (6) $5,279, (7) $47,113; H. J. Mullin Contg. Co., Jamaica Ave. and 144th St., Jamaica, (6) $5,776; C. Gallagher, 745 Dean St., Brooklyn, (7) $46,920; Brusstar Constr. Co., Inc., Harlem River and 150th St., New York City, (9) $17,744; Sicilian Asphalt Paving Co., 41 Park Row, New York City, (9) $22,660. Noted July 20.

N. Y., Syracuse—C. L. Cadle, supt. Pub. Wks., Albany, opened bids July 25, paving portion of terminal site, constructing railroad and crane tracks, etc., here, Terminal Contr. 89, from J. H. Gallup, Union Bldg., $59,609; Mohawk Dredge & Dock Co., Manion Bldg., Herkimer, $66,840; Brown, Lowe & Law Bros., Herkimer, $67,572. Noted June 29.

Pa., Phila.—F. H. Caven, dir. pub. wks., opened bids July 25, (1) grading Fairhill St. from Wingohocking to Ansberry Sts., (2) asphalt paving Magee St. from Torresdale Ave. to Tulip St., Water St. from Tabor Rd. to Clarkson Ave. and 2nd St. from Mentor St. to Roosevelt Blvd., (3) Allegheny Ave. from Chatham to Miller Sts., (4) Fillmore St. from Ashland to Leiper Sts., Mascher St. from Tioga to Venango Sts., Wakeling St. from Horrocks to Large Sts., (5) C St. from Ruscomb to Eleanor Sts., (6) granite block paving 2nd St. from Wyoming Ave. to Mentor St., from T. L. Flannigan, 1403 East Montgomery Ave., (1) $5,274. Mark Contg. Co., Commercial Trust Bldg., (1) $2,619. Barber Asphalt Paving Co., Land Title Bldg., (2) $25,163, (3) $25,266, (4) $27,012, (5) $35,873. Mack Paving Co., Germantown, (2) $26,783. Eastern Paving Co., Colonial Trust Bldg., (2) $24,582, (3) $25,973, (4) $27,963, (5) $35,022. Fish-Rutherford, Inc., Real Estate Trust Bldg., (6) $5,917. M. J. McCrudden, Real Estate Trust Bldg., (6) $6,275. Noted July 20.

North Carolina—State Hy. Dept., Raleigh, improving (1) 7.78 mi. State Project 535, Guilford Co., (2) 14.83 mi. State Project 236, Johnston Co., (3) 3.53 mi. State Project 713, Ashe Co., (a) grading and concrete or asphaltic paving, (b) rein.-con. bridges and culverts; grading, concrete or asphaltic paving and rein.-con. bridges and culverts on (4) 6.21 mi. State Project 494, Warren Co., (5) 5.91 mi. State Project 342, Cumberland Co., improving (6) 9.73 mi. State Project 132, Gates Co., (a) clearing, grading and topsoiling, (b) rein.-con. bridges and culverts; grading and concrete or asphaltic paving (7) 13.54 mi. State Project 183 A, Pitt Co., (8) 8.79 mi. State Project 484, Wake Co., (9) 1.63 mi. State Project 764, Surry Co., grading and waterbound or penetration macadam paving (10) 9.28 mi. State Project 602, Alexander Co., (11) 8.17 mi. State Project 640, Iredell Co., grading, waterbound macadam paving or two course gravel surfacing (12) 15.2 mi. State Project 888, Yancey Co., clearing and grading (13) 10.22 mi. State Project 952 A, Jackson Co., (14) 8.68 mi. State Project 963, Macon Co., grading, sand-clay and waterbound macadam paving (15) 7.75 mi. State Project 702 A, Alleghany Co., clearing, grading, topsoiling and corduroy, (16) 13.5 mi. State Project 131, Gates Co., clearing, grading and topsoiling (17) 18.97 mi. State Project 569, Moore Co., grading, concrete, asphaltic or brick paving, rein.-con. bridges and culverts (18) 7.22 mi., State Project 173, Perquimans and Pasquotank Co., from Leaksville Lumber Co., Leaksville, (1a) $246,731, (9) $45,962; Hagedorn Constr. Co., Thomasville, (1a) $246,932, (1b) $16,907, (9) $50,922; Atlantic Bridge Co., Roanoke, Va., (1b) $18,272; S. J. Groves & Son, 306 Globe Bldg., Minneapolis, Minn., (1a) $248,938, (5) $172,003, (7) $363,504, (10) $208,393, (11) $198,390; Concrete Steel Bridge Co., Clarksburg, W. Va., (1b) $19,321, (2b) $13,147, (3b) $18,922; R. G. Lassiter & Co., Citizens Bank Bldg., Raleigh, (2a) $419,943, (2b) $12,167, (4) $199,158, (8) $282,610; R. M. Hudson Co., Salisbury, (2a) $437,737, (8) $280,196; A. J. Wardrep, Holston Bank Bldg., Knoxville, Tenn., (2a) $459,044, (5) $161,275, (7) $368,993; Luten Bridge Co., 405 East 4th Ave., Knoxville, Tenn., (2b) $13,721, (3b) $20,595; J. F. Mulligan, North Wilkesboro, (3a) $135,908, (3b) $21,269, (15) $143,555; W. E. Graham, Mt. Ulla, (3a) $140,274, (10) $147,608, (11) $142,655, (15) $133,444; Clifford Eng. Co., Montgomery, W. Va., (4) $189,209; P. R. Ashby, Tucker Bldg., Raleigh, (4) $193,139, (8) $257,117; C. D. Rigsbee, Durham, (5) $173,351; J. A. Marrow, Clarksville, Va., (6a) $38,508, (6b) $17,032, (17) $62,245; Batson-Cook Co., West Point, Ga., (6a) $51,545; W. D. Murray-Sadler Corp., Norfolk, Va., (6b) $18,134; Jamison Bros., High Point, (6a) $51,998; Bacon-Moore Co., Littleton, (6b) $18,148, (16) $103,529; Clayton, Mitchell Co., Jacksonville, Fla., (7) $391,409; G. R. Martin, Salisbury, (9) $50,586; Porter & Boyd, Realty Bldg., Charlotte, (10) $152,000, (11) $191,197; Luck Co., Sylva, (12) $89,304, (13) $116,649; Ross Bros., Andrews, (12) $102,860; O'Brien Constr. Co., Birmingham, Ala., (12) $108,560, (14) $87,971, (15) $132,153; Brooks Callaway Co., Forsyth Bldg., Atlanta, Ga., (13) $107,517; Costello Bros., Knoxville, Tenn., (13) $124,090, (14) $85,208; Bolton Constr. Co., Marion, (14) $90,584, (17) $65,682; Mayfield Constr. Co., Denmark, S. C., (17) $61,929; D. E. and L. E. Williams, South Mills, (18) $218,816; N. M. Leigh, Mannington, W. Va., (18) $260,864. Noted July 6 and 13.

O., Upper Sandusky—Opened bids July 26, grading, curbing, laying watermains, sewers and sewer connections and paving (1) 3,000 ft. Tremont Rd., 26 and 36 ft. (2) 1,700 ft. Andover Rd., 20 ft. (3) 800 ft. Fairfax Rd., 20 ft. (4) 2,100 ft. Yorkshire Rd., 20 ft. all asphalt, from B. F. Patterson, 1214 Neil Ave., Columbus, (1) $48,086 (2) $13,544 (3) $5,323 (4) $27,700; Cleveland Trinidad Paving Co., The Arcade, Cleveland, (1) $48,001 (2) $13,808 (3) $5,334 (4) $27,744; Franklin Asphalt Paving Co., 209 South High St., Columbus, (1) $49,234 (2) $14,196 (3) $5,594 (4) $29,109. Noted July 20.

Illinois—Dept. Pub. Wks. and Buildings, Div. Highways, Springfield, concrete paving (1) 6.324 mi. Route 2, Sect. 50, Macon Co. (2) 3.644 mi. Route 3, Sect. 48, Greene Co., (3) 3.209 mi. Route 8, Sect. 14, (4) 2.858 mi. Route 8, Sect. 15 (5) 6.067 mi. Route 8, Combination A, Peoria Co., (6) 4.825 mi. Route 14, Sect. 9, (7) 4.825 mi. Route 14, Combination B, incl. 1 steel bridge, Hamilton Co., (8) 4.616 mi. Route 17, Sect. 2, aMrshall Co., (9) 4.129 mi. Route 37, Sect. 11, Franklin Co., (10) 4.599 mi. Route 37, Sect. 12, Franklin-Williamson Co., (11) 1.8 mi. Route 37, Sect. 13, Williamson Co., (12) 10.528 mi. Route 37, Combination C, Franklin-Williamson Co., (13) 10.464 mi. Route 44, Sect. 18, Will Co., (14) 0.302 mi. Federal Aid Project 8, Sect. V-4, Macoupin Co., (15) 0.882 mi. Federal Aid Project 9, Sect. Y, Bond-Fayette Co., (16) 6.488 mi. Project 26, Sect. 16, (17) 5.175 mi. Project 26, Sect. 17, (18) 5.278 mi. Project 26, Sect. 18, (19) 16.941 mi. Project 26, Combination D, McLean Co., (20) 3.141 mi. Project 27, Sect. 31, Woodford Co., (21) 5.277 mi. Project 27, Sect. 36, Tazewell Co., (22) 8.418 mi. Project 27, Combination F, Woodford-Tazewell Co., (23) 5.71 mi. Project 34, Sect. 26, (24) 5.71 mi. Project 34, Combination G, Clinton Co., (25) 3.914 mi. Project 35, Sect. 17, Marion Co., (26) 3.682 mi. Project 35, Sect. 18, (27) 7.596 mi. Project 35, Combination H, Marion-Clinton Co., (28) 4.81 mi. Project 40, Sect. 29, Hancock Co., (29) 5.033 mi. Project 41, Sect. 16, Minnebago Co., (30) 6.853 mi. Project 42, Sect. 161, Cook Co.; grading (31) 137,120 cu.yd. Route 3, Sect. 56-A, Greene Co., (32) 6,400 cu.yd. Federal Aid Project 2, Sect. 11, Will Co., (33) 66,590 cu.yd. Federal Aid Project 34, Sect. 27-A, (34) 42,420 cu.yd. Project 37, Sect. 22-A, Clinton Co., (35) 34,900 cu.yd. Project 39, Sect. 1-A, (36) 17,375 cu.yd. Project 39, Sect. 2-A, (37) 52,275 cu.yd. Project 39, Combination I, Carroll Co., from McMahon Constr. Co., Rochester, Ind., (1) $120,773.

Verhey Constr. Co., St. Joseph, (1) $130,498.

Macon Co. Bd. Supervs., Decatur, (1) $139,893.

J. Kesl & Sons, Edwardsville, (2) $71,546, (23) $117,300, (24) $130,000, (25) $79,351, (26) $69,194, (27) $146,000.

C. M. Haines, Jerseyville, (2) $72,789.

Dawson-Powers Constr. Co., 5866 Etzel Ave., St. Louis, Mo., (2) $73,258, (23) $122,889.

McElwee & Rogy, Peoria, (3) $73,682, (4) $64,530, (5) $138,212.

Capitol Constr. Co., Des Moines, Ia., (3) $81,339, (4) $71,169, (20) $79,388, (21) $146,098, (22) $225,486, (28) $119,957.

Cameron & Joyce, Keokuk, Ia., (3) $83,210, (4) $75,230, (5) $143,302, (17) $138,517, (19) $368,354, (20) $66,796, (28) $102,984.

L. S. Kuhn, Bloomington, (5) $150,000.

C. J. Moritz, Effingham, (6) $109,419, (13) $208,264, (15) $33,770, (20) $67,190.

Mautz & Oren, Effingham, (6) $110,752, (7) $121,500, (15) $38,408.

Jaicks Bros., 232 East Pearson St., Chicago, (8) $108,218, (29) $107,975.

J. W. Etchison, Casey, (6) $116,821, (23) $123,350, (25) $76,208, (26) $61,378, (27) $136,791.

Cole & Fauber, Marion, (9) $84,753, (10) $102,034, (11) $38,849.

C. E. Hamilton, Carbondale, (9) $91,989, (10) $108,183, (11) $41,674, (12) $241,846.

Wabash Constr. Co., Vincennes, Ind., (9) $104,315, (10) $120,795, (11) $46,812, (12) $244,730, (27) $164,433.

Powers & Thompson Co., Joliet, (13) $210,904, (32) $6,500.

C. E. Carson, 601 St. Clair St., Chicago, (13) $221,199, (16) $150,249, (17) $146,852, (19) $374,500.

A. M. Boatman, Carlinville, (14) $7,007.

Alzina Constr. Co., Springfield, (14) $10,063.

W. C. Johnson, 512 South High St., Belleville, (15) $36,626, (34) $14,404.

I. D. Lane, Bloomington, (16) $139,865, (17) $130,533, (18) $100,118, (19) $370,516.

R. L. Williams, Wyatt, Mo., (16) $145,795 (18) $109,083.

Chicago Heights Coal Co., Chicago Heights, (18) $109,263.

Keokuk Quarry and Constr. Co., Keokuk, Ia., (21) $137,956 (28) $99,340.

H. Pfizenmeyer, 710 South 4th, St., Terra Haute, Ind., (21) $141,792.

Powell & Gauen, Collinsville, (24) $148,600.

Edwardsville Constr. Co., Edwardsville, (25) $78,201 (26) $69,549.

Milburn Bros., Rockland, (29) $104,475.

F. E. Marsh, Jefferson, Ia., (29) $111,597.

A. Ward & Son, Oak Glen, (30) $181,817.

Public Constr. Co., Hammond, Ind., (30) $186,582.

F. Lorenz, Oak Glen, (30) $188,542.

C. M. Haynes, Jerseyville, (31) $36,106.

F. J. McLowey, Chicago, (31) $36,689 (33) $22,360.

New Era Constr. Co., 3735 North Halstead St., Chicago, (31) $36,988 (33) $21,224.

J. N. Pierson Co., Chicago Heights, (32) $5,509.

A. W. Hecht, St. Louis, Mo., (32) $7,043.

B. Kyffmeyer, Carlyle, (33) $18,988.

Keating Bros., Auburn, (34) $10,639.

Tritt Bros., Belleville, (34) $16,165.

Anderson Bros., Rockford, (35) $14,934 (36) $10,146 (37) $25,000.

Lord & Talbot, Monmouth, (35) $15,127 (36) $9,876 (37) $23,900.

B. Harrison, Poor Farm Rd., Decatur, (35) $15,353 (36) $9,437 (37) $24,100. Noted June 29.

Minn., St. Paul—Opened bids July 17, paving with 3½ creosoted wood blocks (1) Grand Ave. from Oakland Ave. to Milton St., (2) Grand Ave. from Milton St. to Cretin Ave.; paving Hudson Rd. from Point Douglas Rd. to east city limits, (a) traprock concrete, (b) gravel concrete, (c) limestone aggregate, from Fielding & Shepley, 216 University Ave., (1) $55,929, (2) $175,046, (3a) $82,200, (3c) $79,500; White Constr. Co., 17 North La Salle St., Chicago, (1) $60,900, (2) $187,600; Thornton Bros. Co., 304 Central Bank Bldg., (1) $61,151, (2) $188,252, (3a) $80,016, (3b) $77,445; Johnson Drake & Piper, 809 1st Natl.-Soo Line Bldg., Minneapolis, (3a) $80,593, (3c) $77,653; E. M. Ganley Co., 1002 Plymouth Bldg., Minneapolis, (3b) $79,888, (3c) $78,445. Noted July 13.

Missouri—State Hy. Dept., Jefferson City, opened bids improving 13.07 mi. road from Liberty to Excelsior Springs, Federal Aid Project 25, Clay Co., from Haden & Austin, Hill and Market Sts., Houston, Tex., $230,186 and $221,501; E. T. Meek, Kansas City, $264,093 and $238,150; W. M. Spencer, Independence, $286,564 and $359,556; Unit Constr. Co., Title Guaranty Bldg., St. Louis, $239,217 and $284,159; P. P. Young, Savannah Rd., St. Joseph, $358,685 and $360,185; Koss Constr. Co., 2818 5th Ave., Des Moines, Ia., $374,048; Dalton Constr. Co., Junction City, Kan., $387,927. Noted July 20.

Missouri—State Hy. Dept. at div. office New London, opened bids June 26, 3,8 mi. road from New London eastward and westward, 24 ft., State Aid Project 20.168, Ralls Co., from O. J. Hanick, 4066 Lindell St., St. Louis, $21,513. Noted July 6.

Streets and Roads (Continued)

Missouri—State Hy. Dept. at div. office Fayette, opened bids June 26, 4.811 mi. road through Fayette, 24 ft., State Aid Project 20.93, Howard Co., (1) 41,452 cu.yd. earth excav., (2) 700 cu.yd. borrow, etc., from K. A. Raines, Fayette, (1) $0.39 per cu.yd. (2) $0.34, total $26,488; Hartman Constr. Co., St. Joseph, (1) $0.40 (2) $0.35, $27,171; W. Washam, Jacksonville, (1) $0.46 (2) $0.42, $30,225. Noted June 8.

Missouri—State Hy. Dept. at div. office Bloomfield opened bids June 27, 4.946 mi. road from Cairo to Poplar Bluff, 24 ft., Federal Aid Project 178 A. Stoddard Co., (1) 11,844 cu.yd. earth excav., (2) 23,605 cu.yd. borrow, (3) 34,793 sq.yd. gravel surfacing, 12 ft. wide, etc., from Allhands & Davis, Joplin, (1) $0.27 per cu.yd. (2) $0.27 (3) $0.61, total $35,350; J. H. Howitt, Little Rock, Ark., (1) $0.25 (2) $0.27 (3) $0.725, $38,707; N. Davis, Sikeston, (1) $0.25 (2) $0.25 (3) $0.75, $39,268. Noted June 15.

Missouri—State Hy. Dept. at div. office Canton, opened bids June 30, 7.9356 mi. road from Canton northward and southward, 24 ft., Federal Aid Project 39, Lewes Co., (1) 30,882 cu.yd. earth excav., (2) 5,692 cu.yd. borrow, (3) 18,824 cu.yd. broken stone base course, (4) 55,867 sq.yd. gravel pavement, (5) 18,824 sq.yd. gravel surface course, etc., from Gaines Bros., Fairland, Okla., (1) $0.46 per sq.yd. (2) $0.40 (2) $0.35 (4) $0.61 (5) $0.35, total $79,856; O. J. Hanick, 4066 Lindell St., St. Louis, (1) $0.46 (2) $0.40 (3) $0.35 (4) $0.65 (5) $0.30, $83,466.

Missouri—State Hy. Dept. at div. office Pineville, opened bids July 7, 4.972 mi. road from Pineville northward and southward, 24 ft., State Aid Project 20,178, McDonald Co., (1) 36,753 cu.yd. earth excav., (2) 12,551 cu.yd. borrow, etc., from J. P. Wolfenbarger, Neosho, (1) $0.32 per cu.yd. (2) $0.30, total $26,036; J. M. Roark, Anderson, (1) $0.35 (2) $0.32, $26,669; M. A. Holman Constr. Co., Carterville, (1) $0.36 (2) $0.35, $28,402.

Arizona—State Hy. Dept., Phoenix, received bids July 6, grading, gravel surfacing and building structures on 5.1929 mi. Florence-Superior Highway, Sect. F, Federal Aid Project 23, from Goodman & Merrill, St. David, $55,341; M. Ryan, Superior, $56,662; O. C. McElrath Constr. Co., Mesa, $60,644.

Cal., San Francisco—Improving Taraval St. between 37th and 48th Aves., (1) 6,228 lin.ft. concrete curb, (2) 655 lin.ft. 8 in. sewer, (3) 315 lin.ft. 12 in. sewer, (4) 1,225 lin.ft. 10 in. culvert, (5) 6,604 sq.ft. artificial stone walks, (6) 180,930 sq.ft. asphaltic concrete pavement, from Fay Impvt. Co., Phelan Bldg., (1) $0.98, (2) $4.14, (3) $4.38, (4) $2.12, (5) $0.197, (6) $0.29, total $71,720; State Impvt. Co., San Francisco, (1) $1.05, (2) $4, (3) $4.50, (4) $2, (5) $0.195, (6) $0.294, total $72,720; A. J. Raisch, 46 Kearny St., (1) $1, (2) $3.90, (3) $4.60, (4) $2, (5) $0.2, (6) $0.30, total $73,349. Noted May 25.

Que., Montreal—Opened bids asphalt paving (1) 750 ft. Des Erables St. from Amity to Sherbrook Sts., 65 ft., (2) 300 ft. St. Donat St., 65 ft., and 200 ft. cement sidewalks, 5 ft.; cement sidewalks on (3) 1,687 ft. Monkland St. from Melrose to Grand Blvd., 5 ft. wide, (4) 937 ft. Des Carrieres St. from Laurier to Lamorichiere Sts., 5 ft., from B. Brault Ltd., Bleury St., (1) $21,361, (2) $15,628; Sicily Asphaltum Paving Co., 60 St. Viateur St. E., (1) $21,627, (2) $15,902; Quinlan, Robertson & Janin, Ltd., 50 Notre Dame St., (3) $4,305; Duranceau & Duranceau, 152 Hamilton St., (3) $5,775; Rondon, Corlier & Co., 3227 Christophe Colomb St., (3) $6,259, (4) $3,387; F. Lapau, 601 Lamorichiere St., (4) $2,938. Noted June 22.

CONTRACTS AWARDED

Massachusetts—Concrete paving 6,400 ft. state highway in Andover, to M. McDonough Co., Swampscott, $89,850, 6,200 ft. in Longmeadow, 21 ft., to Lane Constr. Co., 37 Colony St., Meridan, Conn., $64,960, 9,994 ft. in West Springfield, 18 ft., to Hassam Paving Co., 17 Federal St., Worcester, $82,830; bituminous macadam paving 18,430 ft. in Sterling and West Bolyston, 18 ft., to State Constr. Co., 158 Adams St., Boston, $104,268, 5,160 ft. in Lowell, to Powers Bros., North Montello St., Brockton, $103,918, 8,794 ft. in Yarmouth, 18 ft., to Atwood-Thomas Constr. Co., Middleboro, $53,433.

Mass., North Adams—Improving 1,500 ft. State St., 7,000 sq.yd. concrete, 950 ft. granite curb to reset, 800 sq.yd. concrete sidewalk, 1,400 sq.yd. combined curb and gutter, 3,000 cu.yd. excav., to D. S. McGrath, Inc., Adams. Engrs. est. $25,000.

N. Y., Lynbrook — Village Bd. Trustees paving certain streets, reinforced cement concrete, to Good Roads Eng. & Contg. Co., Portchester, $143,674. Noted July 6.

N. C., Greensboro—Paving 5 mi. various streets, 83,000 sq.yd., to Murray Constr. Co., Holston Natl. Bank Bldg., Knoxville, Tenn., $250,000.

Fla., Sanford—Comrs. Seminole Co., 181,000 sq.yd. macadam, 45,450 sq.yd. brick and 12,700 sq.yd. rock, to Finley Method Co., Graham Bldg., Jacksonville, $78,343. Noted July 13.

N. J., Newton—Paving High St., rein.-con., to Pub. Service Production Co., 80 Park Pl., Newark, $38,737. Noted June 29.

O., Cleveland—Sandstone walks in Easterly, Westerly and Southerly Dists., to Ohio Quarries Co., Citizens Bldg., $59,792; cement walks in Westerly and Southerly Dists., to Rieley Bros., The Arcade, $18,284; walks in Northerly Dist., to P. H. De Santis, Woodland Ave., $10,613.

O., Cleveland—Paving Kinsman Rd. from East 55th to East 79th Sts., to Cleveland Trinidad Paving Co., The Arcade, $60,965. Noted July 27.

O., Cleveland—Paving Euclid Ave., asphalt, to Cleveland Trinidad Paving Co., The Arcade, $80,871. Noted July 13.

O., Columbus — W. H. Duffy, dir. Pub. Serv., to Franklin Asphalt Paving Co., 209 South High St., grading, curbing and paving 332 ft. Clinton St., 24 ft., $5,669, 284 ft. Frebis Ave., 24 ft., $5,347, 303 ft. Tompkins St., 20 ft., $4,536, grading and paving 145 ft. 8th Ave., 20 ft., $1,819, all asphalt; to Davies & Davies, Columbus, 366 ft. alley west of 4th St., 16 ft., $1,494, 306 ft. alley north of 5th Ave., 16 ft., $1,360, 240 ft. alley west of 4th St., 16 ft., $1,848, 450 ft. alley west of Lexington Ave., $2,453, 208 ft. alley north of Madison Ave., 20 ft., $1,428, all concrete; to B. F. Patterson, 1214 Neil Ave., resurfacing 2,155 ft. 11th Ave., 36 ft., asphalt, $31,679; to Pub. Wks. Constrfl Co., 57 Wiggins Blk., Cincinnati, 2,569 ft. Fair Ave., 30 ft., $23,704 also water and sewer connections and paving 2,590 ft. Champion Ave., 28 ft., $23,704, both asphalt. Noted July 20.

O., Dayton—G. M. Baker, dir. Pub. Serv., paving South Main St. from 5th to 6th Sts., 60 ft., wood block, to E. D. Murray, 18 Cambridge Ave., $24,247; Louie St. from Washington to Norwood Aves. and Norwood Ave. from 5th to Louie Sts., brick, to J. I. Geiger, 409 Dayton Savings & Trust Bldg., $20,506 and $4,095 respectively; Garland Ave., rein.-con., to Finke Eng. Co., 15 South St. Clair St., $10,302. Noted July 20.

O., Euclid—Laying concrete sidewalks on Arbor Ave., Bliss Rd. and East 207th St., to V. Q. Galier, Builders Exch., Cleveland, $46,661; Cut Rd., Fuller, Brewer, Donald, Erieview and Pond Aves., to F. B. Stein, Euclid, $55,497; bluestone sidewalks on Goller Rd., North Vine St., Recher Ave., East 209th, 210th and 212th Sts., to Green Rd. Stone & Supply Co., Euclid, $23,815. Noted July 20.

Ind., Cannelton—Perry Co., grading and gravel surfacing 18,480 ft. Gayer Rd., 16 ft., to A. H. Lutgring, Tell City, $34,325. Engrs. est. $36,000.

Michigan—State Hy. Dept., Lansing, grading and surfacing 2.079 mi. Federal Aid Project 29, Sect. B, Calhoun Co., to Lenderink & Baber, Kalamazoo, 16,017 cu. yd. earth excav. $0.50, 2,790 yd. sta. overhaul $0.02, 19.9 cu.yd. concrete $12, 24,286 sq.yd. rein.-con. pavement $1.515, etc., total $46,204. State to furnish cement $20,920. Noted June 22.

Michigan—State Hy. Dept., Lansing, grading and surfacing 2.912 mi. Federal Aid Project 75, Sect. B, Jackson Co., 20 ft., to Brooks Constr. Co., 2104 Miner St., Ft. Wayne, Ind., 14,148 cu.yd. earth excav. $0.45, 2,310 lin.ft. 8 in. vitr. tile under drain $0.70, 1,160 lin.ft. vitr. tile under drain $0.80, 76.5 cu.yd. concrete $13, 34,324 sq.yd. reinforced bituminous pavement $2, etc., total $81,643; 6.42 mi. Assessment Dist. Rd. 23, Lenawee and Monroe Counties, 12 ft., to J. E. Coon, Swanton, O., $46,926; 5.867 mi. State Trunk Line Rd. 14-3 Sect. C, 14-13 Sects. A and B and 14-11 Sect. B, Missankee and Roscommon Counties, 16 ft., tc G. Davenport, Lake City, $25,562; 0.947 mi. State Trunk Line Rd. 19-18, Marysville Co., 20 ft., to J. H. Baker & Son, Port Huron, $22,755; 1.241 mi. State Trunk Line Rd. 27-18, Sanilac Co., 16 and 18 ft., to Moore-Elmer Constr. Co., Snover, $23,963; 2.773 mi. State Trunk Line Rd. 12-29, Bessemer Co., 16 and 20 ft., to W. S. Peters, Wakefield, $44,459; 6.367 mi. Federal Aid Project 66, Sect. A, St. Joseph Co., 18 and 20 ft., to Dovey & Kloosterman, Batavia, 19,053 cu.yd. earth excav. $0.30, 68,708 sq.yd. reinforced concrete pavement $1.35, etc., tota. $99,891; 7.929 mi. State Trunk Line l.Rd. 54.1, Newaygo Co., 16 ft., to F. Hill, Big Rapids, 44,366 cu.yd. earth excav. $0.35, 74,407 sq. yd. one course gravel surface $0.527, etc., total $56,547; 2.946 mi. Federal Aid Project 79, Genesee Co., 18 ft., to Michigan Asphalt Paving Co., Flint, 19,991 cu.yd. earth excav. $0.50, 183.9 cu.yd. concrete $12, 31,555 sq.yd. reinforced bituminous pavement sheet asphalt specifications $2.25, etc., total $114,985; grading 9.344 mi. State Trunk Line 69-4, Baraga Co., to Hill Bros., Chatham, 79,603 cu.yd. earth excav. $0.52, 6,000 cu.yd. rock $2.25, 120 cu.yd. concrete $22, etc., total $72,487. All cement for above projects furnished by State.

Michigan—State Hy. Dept., Lansing, grading and surfacing 4.862 mi. Assessment Dist. Rd. 346, Ionia and Barry Counties, 12 ft., to Saginaw Constr. Co., Saginaw, $33,131; 0.916 mi. State Trunk Line Rd. 47-10, St. Charles Co., 18 to 70 ft., 1,236 lin.ft. combined curb and gutter, 5,473 cu.yd. earth excav., 14,774 sq.yd. concrete, to Taylor Constr. Co., Birmingham, $25,012, State to furnish cement at $12,922; 4.631 mi. State Trunk Line Rd. 47-3, Saginaw Co., 16, 18 and 20 ft., to R. C. Bailey, Corunna, 19,176 cu.yd. earth excav. $0.50, 192.6 cu.yd. concrete $14, 39,475 sq.yd. gravel surface $0.61, 4,994 sq.yd. concrete pavement $1.96, etc. total $50,789, State to funish cement at $4,957; 2128 mi. State Trunk Line Rd. 47-2, Chesaning Co., 16, 20 and 70 ft., to Holmes, Crane & Baily, Alma, 7,826 cu.yd. earth excav. $0.65, 7,598 sta.yd. overhaul $0.03, 5,652 sq.yd. gravel surface $1, 25,360 sq.yd. concrete pavement $1.30, etc., total $48,786, State to furnish cement at $21,414.

Mich., Detroit — Paving to Detroit Asphalt Paving Co., 20 McGraw Bldg., 9,700 sq.yd. Baylis Ave. $38,534, 3,780 sq.yd. Burke Ave. $18,873, 1,800 sq.yd. Canfield Ave. $8,985, 1,370 sq.yd. Edgewood Ave. $6,851, 3,990 sq.yd. Fairview Ave. $19,399, 1,440 sq.yd. Strong Ave. $7,222, all above 3½ in. sheet asphalt on 8 in. concrete, 26 ft. wide, 1,880 sq.yd. Fern Ave. $7,476, 4,600 sq.yd. Pelouze Ave. $20,376, 3 in. asphalt on 6 in. concrete, 26 ft.; to Cleveland Trinidad Paving Co., 402 Hammond Bldg., 2,600 sq.yd. Louis Ave. 3 in. sheet asphalt on 6 in. concrete, 24 ft., $10,895, 3,550 sq. yd. Leslie Ave., 24 ft., $17,738 and 3,800 sq. yd. Sturtevant Ave., 26 ft., $18,717, both with 3½ in. asphalt on 8 in. concrete. Noted July 27.

Wis., Fond du Lac—Paving Oak Pl., Howard and Merrill Aves., Rose, Oak, Smith and Grand Sts., to J. Rasmussen & Sons, foot 7th St., Oshkosh, trinidad asphalt $2,80 sq.yd. concrete curb and gutter $0.80 lin.ft. catch basins, $55, total $85,394. Noted July 13.

Wis., Milwaukee—Concrete paving to F. Banaszak, 1335 4th Ave., Middlemass St. from Dunlap St. to Middlemass subdivision $4,766, Windlake Ave. from 13th to 15th Aves. $5,133, 8 alleys $17,610; to J. Bluhn & Son, 164 Burliegh St., 19th St. from Teutonia to Atkinson Aves, $23,360, 4 alleys $17,807; to R. B. Hartman, 4001 Highland Blvd., 6 alleys $10,415; to Ryback & Sadowski, 1092 2nd Ave. 1 alley $1,554; to A. Retzloff, 948 4th St., 7 alleys $15,541; to Kroening Constr. Co., 39th Ave. and Mitchell St., 2 alleys $7,511; to S. W. Talmadge, 445 Milwaukee St., 1 alley $2,403; to F. Schomann, 770 28th St., 1 alley $1,734; to T. C. Froemming, 1288 Humboldt Ave., 1 alley $24,706.

Wis., Watertown—Paving Milford St., to Lehmann Bros., 900 8th St., 3,500 cu.yd. excav. $0.90, 8,300 sq.yd. plain concrete pavement $2.33, 2,080 sq.yd. rein.-con. pavement $2.46, 1,560 lin.ft. combined concrete curb and gutter $0.85, total $29,272. Noted June 1.

Ia., Allison—Butler Co. gravel surfacing 11.42 mi. Primary Rd. Project 71, north and south of Greene, north of Parkersburg and east of here, to L. O. Kimball, Clear Lake, 14,866 cu.yd. gravel 1 mi. haul at $0.36, 3,011 cu.yd. at $0.40, 27,467 units gravel ½ mi. haul $0.10, 131,500 units $0.095 and 10,500 units $0.12; 2.9 mi. Sect. D, Federal Aid Project 85, south of here, to L. O. Kimball, Clear Lake, 4,360 cu.yd. gravel 1 mi. haul $0.38, 23,250 units gravel ½ mi. haul $0.10; Primary Rd. Project 167, northwest and east of Shell Rock and southeast of Parkersburg, to W. Bolen, Omaha, Neb., 94,866 cu.yd. excav. $0.199, O'Hanlon & Reilly, Omaha, Neb., 63,980 cu.yd. $0.21, J. W. Peed & Son, Ft. Dodge, 63,980 cu.yd. $0.214.

Ia., Algona—Kossuth Co. grading and paving 1.8 mi. Primary Rd. Project 270 from Wesley to east county line, to Empire Constr. Co., 308 7th St., Des Moines, 6,290 cu.yd. excav. at $0.55 and 19,120 sq.yd. pavement at $2.53.

Ia., Cresco—Howard Co. grading 10.414 mi. Primary Rd. Project 103, east of Elma to here, 138,793 cu.yd. excav. to Leach Bros., Omaha, Neb., $0.20 per cu.yd.

Streets and Roads (Continued)

Minn., Fairmont—Paving about 10,600 sq.yd. various streets, concrete, to F. D. Gould, Fairmont, $23,383. Noted July 20.

Minn., Moorhead—Clay Co., grading 16 mi. Trunk Highway 2, east of Moorhead, 24 ft., to Larkin Constr. Co., Barry $63,783; two bridges and monolithic culverts to Minneapolis Bridge Co., Metropolitan Life Bldg., Minneapolis, $12,261.

Neb., Lincoln—To Abel Constr. Co., Terminal Bldg., repaving Dist. 87, 11,390 sq.yd. asphaltic concrete at $0.94 pere sq.yd., etc., total $10,707; paving Dist. 406, 4,357 sq.yd. asphaltic concrete $2.32, 325 sq.yd. concrete pavement $2.10, 260 lin.ft. artificial stone curb $0.50, 2,984 lin.ft. artificial stone curb and gutter $0.80, total $13,406. Noted July 6.

Mo., Kennett—Curbing, laying sewers and paving various streets, to Rouse & Hely Constr. Co., Cape Girardeau, $90,540. Noted July 13.

Tex., Georgetown—Williamson Co. paving and topping 7 mi. various streets, macadam base with 71,211 sq.yd. 2 in. bituminous topping, 21,904 lin.ft. curb and 3,200 lin.ft. resetting curb, to W. E. Dozier, Austin Natl. Bank Bldg., Austin, $237,000,

Tex., Gonzales—Gonzales Co. grading and gravel surfacing 9.27 mi. State Highway 29, Federal Aid Project 183-C, 15 ft., to R. G. Buckner & Sons, Cleburne, $49,292. Noted July 27.

Tex., Port Arthur—Jefferson Co. grading, paving, etc., 3 mi, Houston, San Antonio, Dallas and Ft. Worth Aves., etc., 30, 50 and 70 ft., to Smith Bros., Crockett, $450,561. Noted July 6.

Okla., Duncan—Bd. Comrs. asphaltic concrete paving Dist. 10, 11, 12, 13 and 15, to Western Paving Co., 1 West Chickasaw St., Oklahoma City, $100,000.

Wash., Seattle—Paving Yale Ave. et al., 8,625 sq.yd. 6 in. vitr. block, 740 sq.yd. 7 in. concrete, 4,775 lin.ft. concrete curbing, 2,300 cu.yd. subgrade, to R. G. Stevenson, 1327 North 34th St., $62,191. Engrs. est. $65,000. Noted July 20.

Cal., Hemet—Improving Buena Vista St., et al., 409,700 sq.ft. 4 in. concrete pavement, 8,600 lin.ft. cement curb, 6,600 sq.ft. cement walks, to Oswald Bros., 366 East 58th St., Los Angeles, $72,784. Noted July 27.

Cal., Hanford—Kings Co. paving 1.75 mi. Kings Co. Highway from Eaton bridge south and east, to California Constr. Co., 58 2nd St., San Francisco, 17,640 sq.ft. 3 in. asphaltic concrete base in shoulders at $0.195 per sq.ft., 158,769 sq.ft. 2 in. asphaltic concrete wearing surface $0.103.

Cal., Lodi—To Clark & Henery Constr. Co., 38 South Sutter St., Stockton, improving Eden St., 83,415 sq.ft. 1½ in. warrenite bitulithic on 2½ in. asphaltic concrete at $0.185 per sq.ft., 91,425 sq.ft. grading $0.02, 4,980 lin.ft. concrete curbs $0.50, 5,525 sq.ft. concrete gutters, $0.26 Stockton St. 77,352 sq.ft. 1½ in. warrenite bitulithic on 2½ in. asphaltic concrete $0.185, 83,159 sq.ft. grading $0.02, 3,664 lin.ft. concrete curb $0.50, 4,505 sq.ft. concrete gutter $0.26.

Cal., San Rafael—Grading and surfacing Bolinas Co. Rd. from Steep Ravine to Randall Ranch, to S. P. Brownlee, San Rafael, $27,983. Noted June 15.

Cal., San Rafael—For 267,000 sq.yd. warrenite bitulithic pavement, to S. P. Brownlee, San Rafael, $41,520. Noted July 27.

Cal., San Rafael—Marin Co. paving Sect. 1, Point San Pedro Rd., hydraulic concrete, to S. P. Brownlee, San Rafael, $27,089.

Cal., Stockton—Improving streets in Searchlight Addition, to C. Moreing & Son, Commercial & Savings Bank Bldg., $102,350. Noted July 27.

Ont., Hamilton—Will construct 250,000 sq.ft. concrete curbs and sidewalks on Arkley Ave., both sides Cline to Parsley Aves.; Newton Ave. from King St. to Hamilton Ancaster Rd.; Parsley Ave. from South Oval to Hamilton Ancaster Rd. and from South Oval to Newton Ave.; Barkley Ave., both sides, from Marion to Cline Aves.; Marion Ave., west side, from South Oval to Barkley Ave.; Cline Ave., south side from King St. to Hamilton Ancaster Rd.; Sherbroke Ave., north side from Kensington to Rosslyn Aves.; Paling Ave., east side, from Britannia to Roxboro Aves.; Wallace Ave. from Beach Rd. to McNulty Blvd.; Newton Ave. from South Oval to Arkell Ave.; Parsley Ave. from King St. to Arkell Ave.; Marion Ave. from King St. southerly to Lot 1822. $50,000. Work will be done by day labor. City will buy all materials.

Ont., Tilbury—Paving ½ mi. Young St., 24 and 26 ft., concrete, to Chick Contg. Co., McDougall Ave., Windsor. Engrs. est. $28,000. Noted May 11.

Ont., Toronto—York Twp. let following contracts for concrete sidewalks, to D. M. McKay, 289 Ashdale Ave., Bungalow Rd. $4,300, Chilton Ave. $4,300, Hopedale Ave. $6,500, Pope Ave. $4,000, Stanhope Ave. $3,500, to Britnell Contg. Co., Baxter St., Bude St. $1200, Dunvegan Rd. $700, Normanna Ave. $1,000, to S. Simpson, 41 Stibbard St., Brunnell Ave. $800, Metheun Ave. $2,700, to Natl. Contg. Co., 9 Garnock Ave., Harshaw Ave. $3,200, Willard Ave. $1,000, to A. Johnson, 35 Burgess Ave., Cedarvale Ave. $650, Woodycrest Ave. $750; for 24 ft. asphalt pavement on concrete, to Kilmer & Barber, 24 Adelaide St., W., Connaught Ave. $7,000, Dunvegan Rd. $8,000 to Constructing and Paving Co., Confederation Life Bldg., Heathdale Rd. $6,000, Forest Hill Rd. $8,400, to Godson Contg. Co., Manning Chambers, Normanna Ave. $7,500, to Britnell Contg. Co., Baxter St., Becknell Ave. $3,300.

Industrial Works

PROPOSED WORK

Mass., South Boston (Boston P. O.)—Natl. Can Co., 36 Washington St., soon lets contract 2 story, 92 x 160 ft. rein.-con. factory, 1 story, 20 x 60 ft. brick garage and 3 story 20 x 40 ft. brick storehouse. Locust St. $125,000. Noted April 6.

Pa., Osgood—Du Roth Steel Truck and Car Wheel Co., 611 Keystone Bldg., Pittsburgh. Plans to construct several buildings, here. First unit 1 story, 100 x 200 ft. steel structure. Total cost $1,500,000. C. E. Long, 1202 Peoples Bank Bldg., Pittsburgh, engr.

Pa., Pitcairn—Pennsylvania R.R., Broad St. Sta., Phila., soon receives bids for superstructure of steel car repair shop, here. $300,000. A. C. Shand, ch. engr.

Tenn., Knoxville—Iddens Mchy. Co. making plans and soon takes bids 1 story plant. $50,000. Architect not announced.

Ill., Chicago—Henschien & McLaren, archts., 1637 Prairie Ave., soon receive bids 4 story, 75 x 150 ft., rein.-con., brick and steel, packing plant near Union Stock Yards, for Western Packing and Provision Co., 3854 South Morgan St. $170,000.

Mo., Kansas City—Plans election in November to vote on $100,000-$150,000 bonds improving hospital at Leeds Farm, incl. completion east wing of building and install hospital to care for drug addicts, ice refrigerating plants, modern laundry for men and women's buildings, electrical plant, roads, etc. A. Cromwell, mayor.

Wash., Tacoma—Carstens Packing Co., Tile Flats, having plans prepared by P. V. Cornils, company archt., 4 story, 67 x 72 ft. packing plant with 32 x 40 ft. wing, rein.-con. and steel. $1,000,000.

Ont., Aurora—Taylor Rubber Co., 37 Richmond St. E., Toronto, plans factory, probably concrete or steel and brick, Yonge St. About $300,000. Architect not selected.

Ont., Brantford—H. C. Johnston & Sons, having plans prepared and take bids about August 15, addition to plant. $100,000. Private plans.

Ont., Ft. William—Fort William Paper Mills plan mill, Mission St. $300,000. Private plans.

Ont., Welland—Dodds Canadian Iron Wks., Ltd., plans large iron works. $250,000. Private plans.

Ont., Welland—Maple Leaf Milling Co. plans 5 story flour and grain mill to replace one destroyed by fire. $150,000. Architect not announced.

BIDS DESIRED

Pa., Pittsburgh—Aug. 8 by Hunting-Davies Co., archts., Century Bldg., 3 story, 79 x 117 ft., brick and concrete warehouse addition, for H. J. Heinz Co., 1062 Progress St., N. S.

Pa., Pittsburgh—Hunting-Davis Co., archts., Century Bldg., taking bids 1 story, 41 x 108 ft. brick and tile garage, Western Ave., for T. Donaldson, c/o Donaldson McAleer Motor Co., 1100 Western Ave.

Pa., Pittsburgh—Commercial Land Co. c/o F. M. Love, 235 Water St., receiving bids 4 story garage, rein.-con. and brick, Rebecca St. and Baum Blvd. $175,000. Private plans. Buick Motor Co., Baum Blvd. and Euclid Ave., Lessee.

La., Plaquemine—See "Waterworks."

O., Cleveland—Cleveland Heater Co., 1905 West 112th St., receiving bids 1 story, 30 x 240 ft. brick, steel and wood factory, plain foundation, West 112th St. and Locust Ave. $100,000. G. S. Rider & Co., Century Bldg., archts. and engrs.

Mich., Detroit—A. Kahn, archt., 1000 Marquette Bldg., taking bids and opens same about Aug. 15, for 5 story, 60 x 441 ft., rein.-con., brick and steel factory, plain foundation, Campau Ave., for Studebaker Corp., Brush St. and Piquette Ave. $400,000.

Ill., Evanston—C. C. Henderson, archt., 105 South La Salle St., Chicago, receiving bids 1 and 2 story, 66 x 204 ft., rein.-con., brick and steel garage, 1622-24 Chicago Ave., here, for J. E. Hibblethwaite, 1707 Ridge Ave. $40,000.

Cal., Pittsburg—Pioneer Rubber Mills, 68 Sacramento St., San Francisco, receiving bids 1 story, 80 x 200 ft., rein.-con. warehouse, here. $150,000. B. G. McDougall, 381 Bush St., San Francisco., archt. Noted June 15.

Ont., Petrolea—Peninsular Sugar Co., Petrolea, receiving bids 1 and 2 story 250 x 800 ft. brick and steel plant, and 1 story, 175 x 225 ft. brick power house. $1,500,000. Honolulu Iron Wks., 8047 Hamilton Blvd., Detroit, Mich., engrs. Noted Dec. 15.

CONTRACTS AWARDED

N. Y., Rochester—Eastman Kodak Co., 2 story, 162 x 262 ft., rein.-con. warehouse, known as Bldg 56, in Kodak Park, to Ridge Constr. Co., c/o owner. Archts. est. $125,000.

Pa., Butler—Hinman Bros., 1017-7th Ave., Altoona, 2 story, 100 x 150 ft. brick and steel garage, on Green Ave. and 8th St., here, to C. M. Singiser, 1717-21st St., Altoona, $60,000.

Pa., Butler—Standard Plate Glass Co., near Lincoln Ave., will build 1 story, 100 x 250 ft. factory addition, brick and steel, by day labor. Archts. est. $100,000.

Pa., New Kensington—Natl. Auto Service Co., 1 story,, 25 x 60 ft. and 75 x 60 ft., brick garage, 1030 5th Ave., to Good Constr. Co., 5452 Penn Ave., Pittsburgh. Archts. est. $40,000.

Pa., Waynesboro—Frick Co., West Main St., will build 1 story, 300 x 600 ft. concrete brick and steel addition to plant, by day labor.

Pa., West Hickory—H. H. Smith & Co., will rebuild 3 story, 68 x 72 ft. and 50 x 140 ft. tannery and bleach house, by day labor. Archts. est. $50,000. Noted June 15.

W. Va., Wheeling—Natl. Garage of Wheeling will build 2 story, 103 x 112 ft., brick, tile and steel garage, Natl. Pike, by day labor. $50,000. G. H. Dieringer, 880 McCollock St., archt.

N. C., Reidsville—Reidsville Warehouse Co., 2 story, 128 x 235 ft., brick warehouse with 60 x 60 ft. annex in rear, South Scales St., to Leaksville Lumber Co., Leaksville. Noted June 22.

O., Cleveland—F. P. Screw Co., 2921 East 79th St., 1 story, 25 x 160 ft., brick and steel factory, plain foundation, 2921 East 79th St., to L. Dautel & Sons Co., 5710 Hough Ave. Archts. est. $40,000.

O., Zanesville—Kerns Gersuch Bottle Co., 1 story, 24 x 40 ft. factory, to Fort Pitt Bridge Co., Oliver Bldg., Pittsburgh, Pa. Archts. est. $100,000.

Ind., Anderson—Natl. Tile Co., 25th and Pitts Sts., 1 story, 85 x 485 ft. plant, brick, to Eshelman & Sons, Anderson, $50,000.

Mich., Detroit—Park Davis Co., 2951 Atwater St., 75 x 100 ft. power house addition to factory, Gouin St., to F. H. Davis, 1838 Penobscot Bldg. Engrs. est. $75,000. Noted June 22.

Ill., Chicago—Commonwealth Edison Co., Clark and Adams Sts., 6 story, 120 x 280 ft. power plant addition, rein.-con., brick and steel 100th St. and Ave. N., to G. A. Fuller & Co., 140 South Dearborn St. Archts. est. $1,000,000.

Ill., Chicago—Pratt & Lambert, Inc., 320 West 26th St., 2 story, 50 x 150 ft., rein.-con., brick and steel factory, 26th St. near Princeton St., to J. P. and J. W. O'Connor, 189 West Madison St. Archts. est. $60,000.

Wis., Marinette—Heath Cedar Co., 1863 Riverside Ave., will build 1 story, 50 x 100 ft., brick and timber, addition to factory, plain foundation, Sherman and State Sts., by day labor. Private plans.

Wis., Nekoosa—Nekoosa Iron Wks. will build 1 story, 50 x 75 ft., machine shop and foundry, brick and rein.-con., plain foundation, by day labor. $40,000. Manske & Henry, Wisconsin Rapids, archts.

Wis., Waukesha—Manitowoc Church Furniture Co., 1214 Lincoln Ave., 1 story, 70 x 90 ft., brick and rein.-con. unit to factory, plain foundation, to C. A. Dailey Son, 202 Randall St. Engrs. est. $50,000.

Minn., Duluth—McDougall Terminal Warehouse Co., 510 Alworth Bldg., 6 story, 200 x 500 ft. refrigerator plant and terminal warehouse, steel frame, rein.-con. and brick, Railroad St. and 9th Ave. W., to Jacobson Bros., 406 Columbia Bldg., $1,000,000.

Minn., Duluth—Universal Portland Cement Co., 202 Wolvin St., will increase capacity of plant No. 7. Improvements include 200 ft. kiln for burning raw material, etc. $200,000. Work will be done by day labor. Structural steel from Amer. Bridge Co., Wolvin Bldg.

Industrial Works (Continued)

Minn., Minneapolis—A. L. Westernhagen, mgr. Western Newspaper Union, 200 North 3rd St., 2 story, 46 x 134 ft. printing plant and office, rein.-con. brick and tile, 316-8th Ave. S., general contract to O. P. Bailey Co., 746 Builders Exch. Bldg., percentage basis. Archts. est. $125,000. Noted July 6.

Cal., San Francisco—W. P. Fuller Co., Beale and Mission Sts., rein.-con. garage, to McLeran & Co., Hearst Bldg., $40,000.

Ont., Trenton—Dominion Combing Mills, 709 Continental Life Bldg., Toronto, general contract, 1 and 2 story, rein.-con. and brick plant, here, to G. T. H. Shaw, 291 A Markham St. Toronto. Archts. est. $200,000. Noted April 20.

Buildings

PROPOSED WORK

N. Y., Brooklyn—Office—Brooklyn Edison Co., 360 Pearl St., having plans prepared by McKenzie, Voorhees & Gmelin, archts., 342 Madison Ave., New York, 12 story, brick, steel and stone, Willoughby and Pearl Sts. $1,000,000.

N. Y., New York—Club House—Intercollegiate Cosmopolitan Club, 2929 Bway., having plans prepared by Jallade, Lindsay & Warren, archts., 129 Lexington Ave., 9 story, 128x168 ft., brick, steel and stone, 520 Riverside Dr. $750,000.

Pa., Wilkes-Barre—Bank and Office—Luzerne County Natl. Bank, 27 Public Sq., plans 10 story building, 92 ft. wide. Architect not announced.

Va., Portsmouth—Prentis Place Baptist Church, 1708 Prentis Ave., having plans prepared by C. M. Major, archt., Commercial Bldg., and soon takes bids 2 story, 60 x 110 ft., stone, Lincoln St. $150,000-$175,000.

N. C., Asheville—Store—E. D. Lotta, Charlotte, having plans prepared by W. H. Peeps, archt., 222 Latta Arcade, Charlotte, ten 3 story, combined frontage 250 ft., depth 100 ft., concrete and brick, Biltmore Ave., here. $500,000.

N. C., Raleigh—Office—Odd Fellows Lodge, Home Bldg., having plans prepared by G. L. Preacher & Co., archts., Raleigh, and Healy Bldg., Atlanta, Ga., 10 story, rein.-con., steel, tile and granite, Hargett and Salisbury Sts.

Ia., Muscatine—Y. W. C. A., c/o M. Robe, secy., receives bids about Aug. 15, 3 story, 60 x 140 ft., rein.-con., brick, tile and stone. $150,000. Shattuck & Layer, 19 South La Salle St., Chicago, archts. Noted June 30, 1921.

Cal., Tanforan — Club — Pacific Coast Jockey Club, 913 First Natl. Bank Bldg., San Francisco, soon takes bids 2 story, frame, club, and steel and frame grand stand, on race track site, here. $200,000. H. Spreckels, secy. Contract for twelve 1 story barns, containing 388 stalls, (in connection with above project), to J. Piasecki, 239 Clinton Park, San Francisco, $63,624.

Que., Montreal—Church—Church of the Sacred Heart plans 77 x 220 ft. gothic architecture, to replace one recently destroyed by fire. $300,000. J. Venne, 402 Plessis St., archt.

Que., Montreal — Engineering — McGill University of Montreal plans 5 story, 11,000 sq.ft., steel, rein.-con., grey limestone, corner University and Milton Sts. $500,000. F. G. Robb, 127 Stanley St., archt.

Que., Montreal—School—Catholic School Comn. having plans prepared by Gascon & Pount, archts., 502 St. Catherine E., 3 story, 64 x 151 ft., 18 room, St. Josephs Blvd. between Chambord and DeLanondiere Sts. $150,000.

Ont., London—Home—Victoria Hospital Trustees, Ottaway Ave., plan Nurses Home, Ottaway Ave. Election probably in January to vote on $300,000 bonds. W. M. Gartshore, chn.

BIDS DESIRED

N. Y., New York—Theatre—Aug. 31, by H. G. Wiseman, archt., 25 West 43rd St., altering brick, steel and stone theatre, for Manhattan Opera House, West 34th St. $250,000.

La., New Orleans—School—Orleans Parish School Bd., Municipal Bldg., taking bids 2 story, 147 x 250 ft. rein.-con. and brick, Claude and Alder Sts. $250,000. E. A. Christy, City Hall, archt.

Mich., Detroit—Office—Bonnah & Chaffee, archts., 528 Farwell Bldg., receiving bids and opens same about Aug. 10, for 10 story, 40 x 100 ft. rein.-con., brick, steel and stone, plain foundation, Randolph St. and Cadillac Sq. Owner's name withhelld.

Mich., Detroit—School—Aug. 7, by Bd. Educ., 2 story, 85 x 125 ft. and 76 x 90 ft. rein.-con., brick, steel and stone, plain foundation, Congress St. $150,000. Malcomson, Higginbotham & Palmer, 405 Moffat Bldg., archts. Noted May 4.

Mich., Detroit—School—Aug. 8, by Bd. Educ., 2 story, 105 x 145 ft. rein.-con., brick, steel and stone addition to Hutchinson School, Kerwin and Warren Aves. $150,000. Malcomson, Higginbotham & Palmer, 405 Moffat Bldg., archts.

Ill., Chicago—Apartment—D. S. Klafter, archts., 64 West Randolph St., receiving bids 3 story, rein.-con., brick and steel, Pratt Blvd. near Ashland Ave., for W. Perlman, c/o architect. $200,000. Noted May 18.

Ill., Chicago—Church—J. W. McCarthy, archt., 139 North Clark St., receiving bids 1 story, 166 x 168 ft. rein.-con., brick and steel, 63rd St. near Fairfield Ave., for St. Rita of Casia Catholic Parish c/o J. F. Green, pastor, 6211 South Washtenaw Ave.

Ill., Chicago—Store and Office—J. P. Cowing Eng. Co., archts., 30 North La Salle St., receiving bids 2 story, 100 x 250 ft., rein.-con., brick and steel, Randolph St. near May St. here, for C. A. Stanton, South Bend, Ind. $250,000.

Ill., Oak Park—Club—Holmes & Flinn, archts., 8 South Dearborn St., Chicago, receiving bids 2 story, 160 x 165 ft., rein.-con., brick and steel, Ontario St. and Oak Park Ave., here, for Oak Park Club c/o architects. $300,000. Noted Sept. 15.

Ill., Stateville—Administration, etc.—Aug. 22, by Penitentiary Comn., at office J. A. Patten, secy., 111 West Jackson Blvd., Chicago, for administration building, kitchen and dining hall, steel and terra cotta, at new Illinois State Penitentiary, here, Zimmerman, Saxe & Zimmerman, 64 East Van Buren St., Chicago, archts.

Minn., Duluth—Jail—Oct. 1, by F. W. Borgen, aud. St. Louis Co., 4 story, 45 x 131 ft., rein.-con., steel, stone and terra cotta, 2nd St. and 5th Ave. W. $400,000. Holstead & Sullivan, 407 Palladio Bldg., archts. Noted June 1.

BIDS RECEIVED

N. Y., New York—Schools—Bd. Educ., 500 Park Ave., opened bids July 25, (1) P.S. 139, southerly side of West 140 St. and point 275 ft. easterly of 7th Ave., Manhattan, (2) P.S. 69, southerly side of Randall Ave. from Thieriot and Soundview Aves. to Leland Ave., Clason Point, Bronx, from P. J. Brennan & Son, 624 Madison Ave., (1) $604,200; G. F. Driscoll Co., 115 Schermerhorn St., Brooklyn, (1) $609,800 (2) $307,600; J. MacArthur Co., 220 Ormond Pl., Brooklyn, (1) $610,548; Blenton Building Co., 342 Madison Ave., (2) $261,769; T. Dwyer, Bway and 216th St., (2) $313,000. Noted Dec. 29.

N. Y., Wende — Penitentiary — Bd. Supervs. Erie Co., (Buffalo), for administration building, bakery, laundry, and other buildings, here, from Morris & Allan, Inc., Prudential Bldg., Buffalo, $687,900, Mosier & Summers, Inc., 1266 Seneca Bldg., Buffalo, $739,000, Eastern Concrete Steel Co., Morgan Bldg., Buffalo, $897,350; heating and ventilating from Power Efficiency Corp., White Bldg., Buffalo, $47,700, Shevlin Eng. Co., Inc., 110 West 34th St., New York, $81,743, E. Joy Co., Buffalo, $109,000. Noted July 20.

CONTRACTS AWARDED

Conn., Bridgeport — Bank — Commercial Bank and Trust Co., 1334 Main St., 1 story, brick, stone, marble and tile, plain foundation, Main St., to T. J. Pardy Constr. Co., 1481 Seaview Ave. Archts. est. $150,000. Noted May 11.

Conn., New Britain—Normal School—State Bd. Educ., Hartford, 1 and 2 story, brick, steel and rein.-con. main structure, and 1 story boiler house, Camp St., general contract to Fitzpatrick & McArthur, 55 South Bway., New York City, $553,518; heating and ventilating, to M. J. Daly & Sons Co., 555 Bank St., Waterbury, $60,077; plumbing to A. A. Mills, 80 West Main St., New Britain, $26,023. Noted July 13.

N. Y., Elmira—High School—Bd. Educ. general contract Junior High School, 3 story, brick, on south side, to Felton Constr. Co., Elmira, $374,926; vacuum cleaning equipment, plumbing and gas fixtures, also heating and ventilating work, to Ellet-Stempfle Co., 112 Lake St., $28,144 and $55,723 respectively. Noted July 13.

N. Y., New York—Apartment—Paterno & Son Contg., Co., 117 West 54th St., will build 15 story, 80 x 122 ft., brick, steel and stone, Riverside Dr. and 88th St., by day labor. $1,000,000.

N. Y., Perrysburg — Hospital — Com. Parks & Buildings, Room 6, Municipal Bldg., Buffalo, general contract hospital incl. 1 story X-ray laboratory, power plant, etc., here, to J. W. Cowper Co., Fidelity Bldg., Buffalo, $203,500; heating work, to Shelvin Eng. Co., 110 West 34th St., New York City, $218,743; plumbing work, to Power Efficiency Corp., White Bldg., Buffalo, $98,250; sewage disposal plant, to G. W. Moore, 82 Richfield Ave., Buffalo, $23,849. Noted June 8.

N. J., Westwood — School — Bd. Educ., brick, steel and stone, plain foundation, to Equity Constr. Co., 400 St. Nicholas Ave., New York City.

Pa., Carrick—Church—Stewart Avenue Evangelical Lutheran Church, 1 and 2 story, brick and stone, Stewart Ave. and Brownsville Rd., to J. Ehrlingers Sons, 425 Van Braam St., Pittsburgh. Archts. est $150,000.

Pa., Duquesne—Church and Parsonage—Methodist Episcopal Church, c/o P. Lindberg, pastor, 29 North 2nd St., 2 story, 100 x 100 ft., stone, 6th and Kennedy Sts., to C. V. Hobaugh, Butler. Archts. est. $150,000. Noted Feb. 10.

Pa., Elwood City—Store, Apartment and Theatre—T. N. Barnes, 112 5th St., will build 3 story, 66 x 150 ft., brick, steel, tile and stone, Lawrence Ave., by day labor. Archts. est. $150,000.

Pa., Pittsburgh—Church—Central Baptist Church, Wylie Ave., 2 story, church, Kirkpatrick St. and Wylie Ave., to Tri-State Constr. Co., Memphis, Tenn. Archts. est. $150,000.

Pa., Pittsburgh—Office—Natl. Union Fire Insurance Co., Chamber of Commerce Bldg., 4 story, stone and steel, Natalie St., to W. T. Grange Constr. Co., Keenan Bldg. Archts est $250,000.

Pa., Pittsburgh—Store—Donahoe Co., Inc., 421 Smithfield St., 3 story, 30 x 100 x 110 x 120 ft., brick, tile and steel, Diamond St., to W. B. Snoman, Empire Bldg., $350,000. Noted July 6.

Pa., Sandy Creek (Verona P. O.)—Club House—Longue Vue Country Club, Lincoln Ave., Pittsburgh, 3 story, here, to E. Wehr, Highland Bldg., Pittsburgh, archts. est. $400,000.

D. C., Wash.—School—Dist. Comrs., 509 Dist. Bldg., plan 8 room addition to Garrison School, 12th St. near R St., N.W. $140,000 appropriated.

W. Va., Charleston—Theatre—Plagonees, Shirello & Becker, 705 State St., 1 story, 50 x 120 ft., brick and terra cotta, 705 State St., to C. C. Jones, 204 Russel St. Archts. est. $200,000.

O., Cleveland—Office—K. V. Painter, 3240 Fairmount Blvd., will build 2 story, 41 x 127 ft., brick and steel, East 17th St. and Euclid Ave., by day labor. $200,000. Private plans.

O., Cleveland—School—Our Lady of Peace Church, c/o J. T. Cummins, pastor, 12402 Buckingham Ave., 2 story, 66 x 188 ft., concrete, brick and steel, rein.-con. flooring, East 126th St. and Shaker Blvd., to W. J. Pierik, 7016 Euclid Ave. Archts. est. $200,000. Noted May 11.

O., Cleveland — Temple — Oak Pythian Temple Co., c/o F. W. Striebinger, archt., 1900 Euclid Ave., 4 story, 50 x 100 ft., brick, steel and concrete, plain foundation, 712 East 105th St., to J. Woide, 1659 East 86th St. Archts. est. $300,000. Noted May 4.

O., Rocky River—Commercial—E. L. Mitchell, 15703 Detroit Ave., Cleveland, 3 story, 85 x 10 ft., brick and steel, Detroit Rd., here, to Forest City Steel & Iron Co., 1500 West 110th St., Cleveland. Archts. est. $150,000.

Ind., Ft. Wayne—Bank—First and Hamilton National Bank, 12 story, 120 x 155 ft. rein.-con., brick and steel, to M. Irmscher & Son, 118 West Berry St. Archts. est. $900,000. Noted Dec. 22.

Ind., Lafayette—Union—Students University Building Co., c/o T. F. Moran, chn., West Lafayette, 2 story, 300 x 650 ft. brick, near Purdue University, to A. E. Kemmer, 644 North 7th St., percentage basis. Archts. est. $1,500,000. Noted Dec. 29.

Ind., Newcastle—High School—Bd. Educ. 2 story, 95 x 125 ft. brick, South 14th and Walnut Sts., to H. B. Krauel, Danville, Ill., $209,905. Archts. est. $200,000. Noted May 25.

Mich., Lansing—College—State Bd. of Agriculture, East Lansing, will build 3 story, 38 x 200 ft. with 39 x 78 ft. wing, brick, on M. A. C. Campus, here, by day labor. H. H. Halliday, secy. E. A. Bowd, 127 West Allegan St., archt.

Mich., Marquette — Orphanage — Holy Family Orphanage, 5 story, 42 x 80 ft. and 20 x 76 ft., rein.-con. and brick addition, plain foundation, to Hegner Constr. Co., 989 Appleton St., Appleton, Wis. Engrs. est. $150,000.

Ill., Chicago — Aquarium and Monkey House—Lincoln Park Comn., Lincoln Park, 1 story, 50 x 100 ft., rein.-con. and brick.

Buildings (Continued)

in Lincoln Park, to H. H. Friestedt, 327 South La Salle St. Archts. est. $175,000. Noted March 9.

Ill., Chicago—Hotel—Allerton House Co., 143 East 39th St., New York City, 20 story, 109 x 150 ft., rein.-con., brick and steel, Michigan Ave. and Huron St., here, to McLennan Constr. Co., 400 North Michigan Blvd. Archts. est. $3,000,000. Noted June 15.

Ill., Chicago—Store—H. J. Schlacks, archt., 721 North Michigan Ave., 7 story, 65 x 170 ft., rein.-con., brick and steel, 1338-40 South Michigan Ave., to H. F. Friestedt Co., 327 South La Salle St., archts. est. $250,000. Owner's name withheld.

Wis., Milwaukee — Apartment — Franklin Court Apartment Co., c/o Rosman & Wierdsman, archts., 424 Jefferson St., 2 story, 120 x 120 ft., brick, tile and concrete, plain foundation, Wells and 26th Sts., to D. B. Danielson, 874 Layton Blvd. Engrs. est. $150,000.

Wis., Sheboygan—Church and Auditorium—St. Andreas Congregation, 1101 Bway., 2 story, 70 x 110 ft., brick, rein.-con., and stone, plain foundation, to F. Radloff, Plymouth. Engrs. est. $150,000.

Minn., Albert Lea—Office—South Minnesota Gas & Electric Co., 4 story, rein.-con., brick and tile, general contract to J. F. Hanson, Albert Lea. Noted Feb. 23.

Minn., International Falls—High School—Bd. Educ., 2 story, T-shaped 100 x 250 ft. rein.-con., brick and tile, general contract to Evenson & Utterberg, 550 Builders Exch. Bldg., Minneapolis, $177,950. Noted July 13.

Minn., Minneapolis—Office—Retail Hardware Mutual Fire Insurance Co., 1024 Metropolitan Life Bldg., 3 story, 85 x 140 ft. rein.-con., brick and tile, Nicollet Ave. and 24th St., general contract to J. Leck Co., 316 South 7th St., cost plus percentage basis. Archts. est. $225,000. Noted June 8.

Minn., Minneapolis—Store and Office—S. T. McKnight Co., 1236 McKnight Bldg., 6 story, 92½ x 158 ft. rein.-con., brick and tile, 1st Ave. N. and 7th St., general contract to Pike & Cook, 416 South 5th St. Archts. est. $325,000.

Wash., Seattle—Office and Bank—Dexter-Horton Estate, New York Blk., removal of New York Blk. on 3rd Ave. side, and erecting 12 story, steel and concrete, 3rd Ave. and Cherry St., to Puget Sound Bridge and Dredging Co., Central Bldg., $2,500,000. Later Cherry St. side will be removed and similar unit constructed. Noted July 6.

Que., Montreal—Schools—Catholic School Comrs., St. Catherine St. W., 3 story, 62 x 164 ft. rein.-con. and brick, St. George Etienne Cartier Sq., to Quinlan, Robertson & Janin, Ltd., 50 Notre Dame W.; 3 story, 60 x 160 ft. rein.-con. and brick, Bercy St., to J. A. Durocher, 291 Chambly St., $169,844; 4 story, 55 x 160 ft. rein.-con. and brick, Villeray St., to Ovila Filiore, 2985 St. Denis St., $175,800

Ont., Toronto—Collegiate—Bd. Educ., 155 College St., 3 story, 100 x 276 ft. rein.-con. brick and steel, Jarvis St., masonry to Britnell Contg. Co., Baxter St., $224,720; stone to G. Oakley & Son, 278 Booth Ave., $86,490; carpentry to Hudson & Mosely, 611 Algonquin Ave., $58,000; steel to Dominion Bridge Co., Imperial Life Bldg., $19,178. Noted June 1.

Federal Government Work

PROPOSED WORK

D. C., Wash.—Dredging—U. S. Engineer, 250 Old Land Office Bldg., plans dredging below Bennings Bridge. $150,000 appropriated.

BIDS DESIRED

N. Y., Buffalo—Office, Storehouse, etc.—Aug. 25, at Office U. S. Engineer, Buffalo, office, storehouse building, and 6 operating houses at Black Rock Lock and storehouse at Ferry St. Bridge; adv. this issue.

N. Y., New York—Dredging—Sept. 5 at Office U. S. Engineer, 710 Army Bldg., 39 Whitehall St., dredging in Hudson River; adv. this issue.

N. Y., Tupper Lake—Foundations—Spec. 4698—Aug. 9 by Bureau Yards & Docks, Navy Dept., Wash., D. C., foundations for 5 buildings, here.

N. C., Raleigh—Remodeling—Aug 28, by Treas. Dept., Wash., D. C., remodeling in U. S. Post Office, here. J. A. Wetmore, acting superv. archt.; adv. this issue.

La., New Orleans—Dykes, etc.—Sept. 5 at Office U. S. Engineer, Custom House, for dykes at head of pass, and bulkhead at south west pass; also two 4,000 bbl. oil barges.

La., New Orleans—Earthwork—Aug. 8, at Office U. S. Engineer, 140 Decatur St., for 4,032,500 cu.yd. earthwork in lower Tensas, Atchafalaya, Lafource, Barataria, Ponchartrain and Lake Borgne Levee Dist.

Tenn., Memphis.—Levee Work—Aug 14, at Office Mississippi River Comn., 1st and 2nd Dists., Custom House, Memphis, earthwork in Upper and Lower St. Francis and White River Levee Dists.; adv. this issue.

Tenn., Nashville—Steel Gates—Sept. 5, at office U. S. Engineer, Nashville, steel gates for Lock F, Cumberland River; adv. this issue.

Tex., Ft. Worth—Extension to Workroom—Aug. 25 by Treas. Dept., Wash., D. C., extension to workroom in U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

BIDS RECEIVED

Va., Hampton Roads—Equipment—Spec. 4667—Bureau Yards & Docks, Navy Dept., Wash., D. C., received bids for coal and ash handling equipment at Naval Base, here, (1) work complete, from Specialty Eng. Co., Allegheny and Newton Sts., Phila., Pa., (1) $72,930 (150 days) (2) deduct $5,230 (3) $54,000 (120 days) (4) $25 (5) $1 (7) $2,670; A. Pope, 4722 15th St., N. W., Wash., D. C., (1) $79,900 (100 days) (3) $64,770 (100 days) (4) $15 (5) $0.50 (7) $2,250; D. E. McIntyre, 74 Broad St., Boston, Mass., (1) $81,540 (125 days) (3) $69,157 (4) $17.25 (5) $0.60 (7) $1,500. Noted July 20.

Va., Hampton Roads — Heating Plant — Spec. 4629—Bureau Yards & Docks, Navy Dept., Wash., D. C., opened bids for heating plant building at Naval Base, here, (1) work complete, from Amer. Bridge Co., Wilkins Bldg., Wash., D. C., (1) $24,707 (150 days); Miller Eng. Corp., 1012 Water St., Norfolk, (1) $27,300 (120 days) (2) add $1,200. Noted July 20.

CONTRACTS AWARDED

Pa., Phila — Partitions, Changes, etc.—Treas. Dept., Wash., D. C., repairs, etc. to post office, to E. C. Durrell, 1713 North 24th St., repairs and preservations $4,820, mechanical equipment $501.

Ala., Tuskegee—Fire Alarm System—Treas. Dept., Wash., D. C., fire alarm system in U. S. Veterans Hospital, here, to Michigan Auxiliary Fire Alarm Co., 4108 Woodward Ave., Detroit, Mich., $3,984. Noted July 27.

O., Ashtabula Harbor—Rubble Mound—U. S. Engineer, Federal Bldg., Buffalo, rubble mound extension of west breakwater, here, to Amer. Constr. Co., East 140th St. and Lake Shore Blvd., $17,500. June 22.

Minn., Albert Lea—Extension to Workroom, etc.—Treas. Dept., Wash., D. C., extension to workroom and mailing vestibule in U. S. Post Office, here, to Pearce Bros., Inc., 220 West 42nd St., New York City, $11,500 (4 months). Noted July 20.

Cal., Presidio (San Francisco P. O.) Pump House, etc.—Treas. Dept., Wash., D. C., pump house, installation pumping equipment and completion fire protection system at Marine Hospital, here, to Eng. Structure Co., Call Bldg., San Francisco, $24,850 (150 days). Noted July 13.

Miscellaneous

PROPOSED WORK

Elevator or Lift—Niagara Falls, N. Y.—Niagara State Reservation Comn. plans elevator or lift to replace present stairway at the Cave of The Winds. Will include all mechanical equipment, etc. $80,000. A. T. Clearwater, 280 Wall St., Kingston, chn.

Harbor Improvements—Erie, Pa.—Peninsula Park and Harbor Comn. having preliminary surveys made for improving Erie Harbor and peninsula, incl. roads, landing stages, docks, etc. $125,000. J. F. Woodward, secy. B. A. Haldeman, c/o Comn., engr.

Retaining Wall—Scranton, Pa.—Plans retaining wall on 3rd Ave., in 300 and 400 block section. $25,000. W. A. Shunk, city engr.

Cement—Delhi, Cal.—Delhi Land Colony will soon receive bids 15,000 bbls. cement. E. Fortier, Delhi, engr.

Park Improvements—Merced, Cal.—See "Sewers."

Grand Stand — Tanforan, Cal. — See "Buildings."

Ornamental Lighting — Niagara Falls, Ont.—Plans new ornamental lighting in North End, incl. Erie and Victoria Aves., Queen Centre and Culp Sts., 69 new standards and pumps. $24,125. Engineer not announced.

BIDS DESIRED

Paving Block—Buffalo, N. Y.—Aug. 12, by Comr. Pub. Wks., Municipal Bldg., 2,400 sq.yd. standard dressed block, Medina sandstone, not less than 3½ nor more than 6 in. thick, not less than 5 nor more than 6 in. deep, and from 7 to 12 in. long, delivered f.o.b. Lehigh Valley R.R. switch Hamburg Turnpike, Buffalo, between Aug. 20 and Sept. 10.

Elevation of Tracks—Camden, N. J.—Pennsylvania R. R., Broad St. Sta., Phila., taking bids elevating line from Everett St. to White Horse Pike, 45,000 cu.yd. earth excav. and fill 2.4 mi. track materials. A. C. Shand, Broad St. Sta., Phila., ch. engr.

Crushers, Trucks, etc.—Jersey Shore, Pa.—Pine Creek Lime & Stone Co. taking bids crushers, trucks and other miscellaneous machinery and equipment for quarrying and crushing stone. H. J. Carpenter, dir.

Intake Pier, Screens, etc.—Wheeling, W. Va. — Aug. 17, by W. M. Evans, city clk., intake pier, screens, mains and storage tanks. C. H. Dowler, city mgr.; adv. this issue.

Transmission Line—Pine Tops, N. C.—Aug. 7, by Mayor, 10 mi. transmission line from here to Tarboro. W. E. Cobb, clk.

Locomotive—Atlanta, Ga.—Southern Iron & Equipment Co., Grant Bldg., receiving bids 20 ton narrow gauge saddle tank locomotive. H. A. Merrill, Purch. Agt.

Boilers—Detroit, Mich.—Aug. 8, by H. S. Starkey, secy. Water Bd., furnishing and erecting two 400 hp. water tube boilers at water works plant. T. A. Leisen, 176 East Jefferson Ave., engr.

Crane—St. Paul, Minn.—See "Waterworks."

Mechanical Equipment—Sacramento, Cal.—Aug. 29, by State Dept. Pub. Wks., Div. of Architecture, plumbing, heating and ventilating system and electrical work for library, court and offices buildings (State Capitol Extension Group). $150,000. Weeks & Day, Phelan Bldg., San Francisco, archts. and engrs.

BIDS RECEIVED

Dumping Platform and Ramp, etc.—New York, N. Y.—J. H. Delaney, comr. Docks, Pier "A" foot of Battery Pl., opened bids July 27, superstructure on pier at East 35th St., Contr. 1773, consisting of (a) concrete dumping platform and ramp, (b) 1,610 sq.yd. granite block, (c) 725 sq.yd. asphalt (d) electrical work, from P. T. Cox Contg. Co., 154 Nassau St., (a) $31,980 (b) $7.25 (c) $3, (d) $1,210, total $47,037; Ettinger Contg. Co., (a) $33,447 (b) $6.95 (c) $3.30 (d) $568, $47,597; W. B. Miller, (a) $33,577 (b) $6.75 (c) $2.85 (d) $1,380, $47,891. Noted July 20.

Frogs, Switches, etc.—New York, N. Y.—Transit Comm., 49 Lafayette St., opened bids July 25, installing frogs, switches, tracks and pumping posts in yard near Jerome Ave. and Moshula Parkway, Boro. of Bronx, Jerome Ave. Line, Route 16, from Slattery Eng. & Constr. Co., 10 East 43rd St., $20,905; additional approach track to Lennox Ave. and 148th St. Yard, from Slattery Eng. & Constr. Co., 10 East 43rd St., $209,466, M. Del Balso, 660 East 221st St., $235,760, P. McGovern, Inc., 50 East 42nd St., $249,000; making changes in steel work at easterly approach to Queensboro Plaza Station, Routes 36 and 37, Sect. 1, Boro of Queens, Agreement "BZ." from Jobson Gifford Co., 30 East 42nd St., $67,570 Gotham Constr. Co. $77,000, C. Meads & Co., 217 West 14th St., $83,000. Noted July 13.

Paving Materials — St. Paul, Minn. — Opened bids materials for paving Hague Ave. from Lexington to Syndicate Aves., (1) 1,236 bbl. portland cement, (2) 960 cu.yd. crushed rock, (3) 1,149 cu.yd. screened sand, etc., from St. Paul Builders Material Co., 605 Ryan Annex, (1) $2.60 per bbl.; Corning-Donohue Brick Co., 613 Ryan Bldg., (1) $2.60; Stiefel Material Co., 501 Concord St., (1) $2.60, (2) $2.95, (3) $1.70; J. L. Shiely Co., 305 Dakota Bldg., (2) $2.66, (3) $1.50. Noted July 13.

CONTRACTS AWARDED

Heating System—Detroit, Mich.—Dept. Motor Transport, City Hall, heating system in municipal garage, incl. boilers, piping, valves, pump and accessories, to Grinnell Co. Inc. of Michigan, 710 Ford Bldg., $33,757.

Barns—Tanforan, Cal.—See "Buildings, under Proposed Work."

Swimming Pool—Ottawa, Ont.—Bd. Control, swimming pool and chemical purification, to E. Monette, 60 Sterling Ave., $71,800. Engrs. est. $75,000. Noted June 29.

SEARCHLIGHT SECTION

OFFICIAL PROPOSALS

Copy: Official Proposals reaching our New York Office by 10 A. M., Tuesday can usually be printed in the issue out Thursday.

Rate:
40 Cents a Line an Insertion

Plans and Specifications for inspection by distant bidders may be filed at any of the Engineering News-Record offices without charge.

THESE ADVERTISEMENTS ARE OFFICIAL NOTICES THAT BIDS ARE WANTED FROM BIDDERS EVERYWHERE.

OFFICIAL PROPOSALS

Bids: Aug. 15.

Bridges and Culverts

Bennettsville, S. C.

Sealed proposals will be received until 1 o'clock, Aug. 15, 1922, and then publicly opened at the office of the Board of County Highway Commissioners Marlboro County, Bennettsville, S. C., for the construction of six culverts and four bridges of reinforced concrete.

The work is divided into two sections of the following approximate quantities:—

Section "A" Six reinforced concrete box culverts of:

445.9 cu.yd class "A" concrete
38,258 lb. reinforced steel

Section "B" Four reinforced concrete bridges of:

540.47 cu.yd. Class "A" concrete
68.7 cu.yd. class "C" concrete
74,080 lb. reinforced steel
5,360 lin.ft. untreated piles
330 cu.yd. wet excavation
55 cu.yd. dry excavation

Bids will be received separately on the two sections. All proposals to be accompanied by a certified check for $500.00. If both sections are bid on one check will be sufficient. Successful bidder to furnish contract bond in full amount of sum bid.

Proposal forms, plans and specifications can be obtained from office of County Engineer, Bennettsville, S. C., on deposit of $5.00, which sum will be returned upon receipt of bona fide bid and good condition of plans.

The Commission reserves the right to reject any or all bids and to waiver technicalities.

J. C. COVINGTON,
Chairman.
B. M. ENGLISH,
County Engineer.

Bids: Aug. 10.

Asphaltic Concrete Fine Aggregate Mix

Burlington, Vt.

Sealed proposals will be received by the City of Burlington on Thursday, August 10th, at one o'clock p.m. ***Standard time***, at the City Hall, Burlington, Vermont, for the improvement of South Union Street and Shelburne Road. The work will consist of approximately 15,800 square yards of asphaltic concrete on macadam with 570 cubic yards concrete foundation in car track area. Or an alternate consisting of 14,300 square yards of asphaltic concrete on macadam with 340 cubic yards concrete pavement and 450 cubic yards concrete foundation.

All bids must be upon blanks provided in the proposal furnished to bidders.

Bids must be accompanied by a certified check for three per cent (3%), of the amount of the bid. Plans and specifications will be on file at the City Clerk's office, City Hall, Burlington, Vermont, and at the office of the Engineer, H. Eltinge Breed, Room 600, 507 Fifth Avenue, New York City.

Copies of the plans and specifications may be obtained for three dollars ($3.00) per set. No refund for blanks returned. Bidding blanks will be furnished free.

The right is reserved to reject any or all bids.

EDWARD CORLEY,
City Clerk.

OFFICIAL PROPOSALS

Bids: Aug. 18.

State Highway Work

Richmond, Virginia.

Sealed bids will be received at the office of the Virginia State Highway Commission, 116 S. Third Street, Richmond, Va., until 12 o'clock, noon, August 18th, 1922, for the construction of:—

(1)—PROJECT S-225, Route 1, Bridge over Rappahannock River at Falmouth, between Spotsylvania and Stafford Counties, 1019 Ft. 10½ ins. long, and 19 Ft. roadway, involving approximately 781,200 Lbs. structural steel, 17,820 Lbs. reinforcing steel; 103,000 B. M. Lumber, 843 Cu. Yds. concrete, 916 Cu. Yds. cement rubble masonry. ALTERNATE BIDS are requested for reconstructing this bridge, involving approximately 144,400 Lbs. structural steel; 19,000 B. M. Lumber, and 272 Cu. Yds. concrete. A certified check for $4,500.00, or bidders bond for $5,400.00 to accompany this bid.

(2)—PROJECT S-249, Route 1, Reinforced concrete bridge over Swift Creek, in Chesterfield County, 78 Ft. long, involving approximately 240 Cu. Yds. concrete, and 20,000 Lbs. reinforcing steel. A certified check for $300.00 or bidders bond for $360.00 to accompany this bid.

(3)—PROJECT S-250, Route 10, Reinforced concrete bridge over Spring Branch, in Pulaski County, 47 Ft.-7 inches long, involving 169 Cu. Yds. Concrete; and 4130 Lbs. steel. A certified check for $200.00 or bidders bond for $240.00 to accompany this bid.

Plans and specifications for inspection for these projects are on file at the office of the Virginia State Highway Commission, 116 S. Third St., Richmond, Va., and at the Offices of the District Engineers,—Fredericksburgh, Va., for project S-225, and at Roanoke, Va. for S-250. Additional plans for Project S-225 for bidders can be obtained from W. F. Hobart, 104 N. 8th St., Richmond, Va., on payment of $1.08, and for projects S-249 and S-250 on payment of 54 cents each.

Specifications and bidding proposals may be obtained by request from the office of the State Highway Commissioner, Richmond, Va.

Engineers will be at office of District Engineer, Fredericksburg, 10:30 A.M. Wednesday, August 16th, to show prospective bidders over project S-225, and at the office of Dist. Engr. 17 S. 3rd St., Richmond, 10:00 A.M. Tuesday August 15th, for Project S-249, and at Maple Shade Inn, Pulaski, Va., at 10:00 A.M. Tuesday, August 8th, for Project S-250.

The State Highway Commissioner reserves the right to reject any or all bids.

G. P. COLEMAN,
Commissioner.

Bids: Sept. 1, 1923.

Sydney Harbour Bridge

New South Wales, Australia.

INTENDING TENDERERS are hereby notified that the time for receipt of Tenders at Sydney, New South Wales, for the construction of the Superstructure and Substructure of a Cantilever Bridge across Sydney Harbour has been extended by the New South Wales Government until 1st September, 1923.

T. A. COGHLAN,
Agent-General for New South Wales.
Australia House, London, W. C. 2.
14th July, 1922.

OFFICIAL PROPOSALS

Bids: Aug. 7.

Road Construction

Freehold, N. J.

Notice is hereby given that sealed bids will be received by the Mayor and Council of the Borough of Freehold, N. J., for the reconstruction of Bowne Avenue, and opened and read in public in the Municipal Building, Freehold, on Monday, August 7, 1922, at 8 p. m. Daylight Saving Time.

The work consists of approximately 3,600 lin. ft. of concrete curb and gutter and 4,500 sq. yds. of reinforced concrete of gravel road surface. Alternate bids will be received for both types. Contractor may submit bids for one or both types of surface.

Drawings and specifications for the proposed work, prepared by Chas. A. Niles, Borough Engineer, are on file at the office of said Engineer at the Municipal Building, Freehold, N. J., and plans and proposal forms may be obtained upon the deposit of $5.00, which amount will be refunded upon return of the plans before the time specified for opening the bids.

All bids must be submitted on the forms furnished by the Borough, enclosed in a sealed envelope, bearing the name and address of the bidder, the name of the proposed work, and addressed to the Mayor and Council of the Borough of Freehold. All bids must be accompanied by a certified check for a sum not less than 10 per cent of the amount bid and a surety company certificate stating that said surety company will provide the bidder with the required bond.

The Borough Council reserves the right to reject any or all bids if deemed to the best interests of the Borough to do so.

H. M. BURKE,
Borough Clerk.

Bids: Sept.

Spavinaw Water Project

Tulsa, Okla.

The Water Commission of the City of Tulsa, Oklahoma, contemplates receiving proposals during the last half of September for the construction of the Spavinaw Water Supply Project, for which $6,800,000 bonds have been voted.

The work contemplated consists of a masonry and earth dam 50 feet high, 28 miles of 60 inch and 25 miles of 54 inch pipe, a 78 inch tunnel 7,000 feet long, a 350,000,000 gallon storage reservoir, a 10,000,000 gallon high pressure reservoir, and approximately 7 miles of cast iron or steel force mains.

Plans and specifications will not be entirely completed before August 15th, but are now far enough advanced for contractors who contemplate bidding to look over the work, The engineers for the project are prepared to show intending bidders the location of the various works upon the ground and to give detailed information. Contractors contemplating inspecting the work should notify the engineers as far in advance as possible.

Formal notice to contractors will appear in this publication upon the completion of the plans.

THE WATER COMMISSION OF THE
CITY OF TULSA
By A. J. RUDD,
Chairman.

Trammell & Holway, Engineers,
329 Kennedy Building,
Tulsa, Oklahoma.
Dabney H. Maury, Consulting Eng.,
Chicago, Ill.

OFFICIAL PROPOSALS

Bids: Aug. 8.

State Highway Work

Baltimore, Md.

Sealed proposals for building nine sections of State Highway, as follows:

ALLEGANY CO. Cont. A-21—One section of State Highway from Cumberland towards Oldtown, for a distance of 3.0 miles. Concrete.

FREDERICK CO. Cont. F-51—One section of State Highway from Libertytown toward New Windsor for a distance of 2.0 miles. Concrete.

HOWARD CO. Cont. HO-24—One section of State Highway from West Elkridge toward Pfeiffer's Corner for a distance of 2.0 miles. Alternate bids concrete and gravel.

ANNE ARUNDEL CO. Cont. AA-20—One section of State Highway from Jacobsville toward Lakeshore for a distance of 1.0 mile. Concrete.

PRINCE GEORGE CO. Cont. P-38—One section of State Highway from Riggs School toward Hyattsville, a distance of 1.0 mile. Concrete.

PRINCE GEORGE CO. Cont. P-33—One section of State Highway from end of Contract P-24 toward Ashton, for a distance of 1.0 mile. Concrete.

CHARLES CO. Cont. CH-20—One section of State Highway from end of Contract CH-17 toward Lyons Corner, a distance of 2.0 miles. Gravel.

ST. MARYS CO. Cont. SM-18—One section of State Highway from Harpers Corner toward Laurel Grove, a distance of 2.5 miles. Gravel.

DORCHESTER CO. Cont. D-26—One section of State Highway from end of Contract D-24 toward Lloyds, a distance of 1.0 mile. Concrete.

will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M., Standard Time, on the 8th day of August, 1922, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

By order of the State Roads Commission this 20th day of July, 1922.

JOHN N. MACKALL, Chairman.
L. H. STEUART, Secretary.

Bids: Aug. 15.

Paulsboro-Gibbstown Road

Woodbury, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of the County of Gloucester for reconstruction of Paulsboro-Gibbstown road, in the Township of Greenwich, in the County of Gloucester, New Jersey, with a reinforced concrete pavement, estimated amount of concrete pavement required is 28,008 sq.yd., and opened and read in public at Court House, Woodbury, N. J., on Tuesday, August 15th, 1922, at 10.00 o'clock a.m., Eastern Standard Time.

Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by William C. Cattell, County Engineer, have been filed in the office of the said engineer at Woodbury, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue prints of the drawings by the engineer on proper notice and payment of cost of preparation. Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of bidder and name of road on the outside, addressed to the Board of Chosen Freeholders of the County of Gloucester and must be accompanied by a certified check for not less than ten (10) per cent of the amount bid, provided said check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the place and on the hour above named. The standard proposal form is attached to the specifications, copies of which will be furnished on application to engineer.

By order of the Board of Chosen Freeholders of the County of Gloucester.

CHESTER N. STEELMAN, Clerk.
WM. C CATTELL, County Engineer.

OFFICIAL PROPOSALS

Bids: Aug. 16.

Sewerage System

Sayreville, N. J.

Sealed proposals will be received by the Mayor and Borough Council of the Borough of Sayreville, N. J., at the Borough Council Chambers, Borough Hall in the Borough of Sayreville on the 16th day of August, 1922 at the hour of 8 o'clock P. M., Daylight Saving Time and 7 o'clock P. M., Standard Time, for the construction of a system of sewers and appurtenances in the Borough of Sayreville. The work will in general consist of about

49,700 lin.ft. of 8 Inch Sewers
7,900 lin.ft. of 10 Inch Sewers
1,736 lin.ft. of 8 Inch c.i. outfall sewer on piles
3,700 lin.ft. of 6 Inch c.i. force main
1,470 lin.ft. of 10 Inch force main

together with sewage pumping stations and various appurtenances.

All of said work to be done in accordance with the plans, profiles and specifications prepared by Waldo S. Coulter, Consulting Engineer, 114 Liberty Street, New York, N. Y., which said plans, profiles and specifications were adopted by the Borough Council of the Borough of Sayreville at the meeting held Wednesday, March 15, 1922, and which said plans, profiles and specifications are now on file in the office of the Borough Clerk, Borough Hall, Sayreville, N. J., where they may be seen by bidders or a set of the said plans, profiles and specifications can be secured from Waldo S. Coulter, Consulting Engineer, by depositing fifteen dollars ($15.00) one-half of which will be refunded upon the return of the plans, profiles and specifications in good condition within seven (7) days after the award of the contract. All bids must be on the form of proposal to be obtained from the Consulting Engineer.

Each bidder must accompany his bid by a certified check of five thousand dollars ($5,000) payable unconditionally to the Treasurer of the Borough of Sayreville, which said check must be presented with the bid as a guarantee that the bidder will within ten (10) days after receiving the award enter into and execute a contract for the faithful performance of the work to be done under said contract, and said bid must be in a sealed envelope and marked "Proposal for a Sewerage System," The successful bidder will also be required to furnish a Surety Company bond to the Borough of Sayreville in the amount of Fifty thousand dollars ($50,000) for the faithful performance of the work to be done under said contract, said bond to be approved by the Borough Attorney.

In case of failure to execute the contract and furnish the required Surety Company bond within ten (10) days after due notice that the contract has been awarded to him, the successful bidder shall forfeit his deposit to the Borough of Sayreville as liquidated damages.

The right to reject any or all bids is reserved by the Mayor and Borough Council.

All of said work must be completed on or before December 1, 1923.

EDWARD E. CLARK,
Mayor.

Attest:
FRANK P. KOLB,
Borough Clerk.
Approved:
THOMAS H. HAGERTY,
Borough Attorney.

Bids: Aug. 7.

Street Improvement

Columbia, Mo.

SEALED PROPOSALS, separate for each street and district, will be received by the undersigned City Clerk of Columbia, Boone County, Missouri, until 4 o'clock p.m., the seventh day of August, 1922, for grading, curbing and guttering and paving with Kentucky rock asphalt of five streets in said city, according to the plans and specifications on file with the city clerk. Approximately 5,700 lin.ft. curb and gutter, 10,500 sq.yd. of paving.

Sealed proposals will also be received for repairing, surfacing and resurfacing with Tarvia preparations, or its equivalent, about 37,000 square yards of streets in districts 2, 4, 6 and 7, in accordance with the plans and specifications on file with the city clerk.

All the work to be paid for in special tax bills. Amount of deposit required with bid, cash or certified check for 10 per cent of amount of bid.

JOHN S. BICKNELL,
City Clerk.

OFFICIAL PROPOSALS

Bids: Aug. 15.

Road and Bridges

Charleston, W. Va.

Sealed Proposals will be received by the State Road Commission of West Virginia at its office in Charleston, West Virginia, until 10 o'clock a.m., on the 15th day of August, 1922, and at that time and place publicly opened and read for the construction of the following bridges and section of state road.

ROAD

Project 3126—Brooke County—0.2 mile grading and paving with Water Bound Macadam. Certified check for $700.00.

BRIDGES

Witcher Bridge No. 772, Project 116, Kanawha County, over Witchers Creek. 65 ft. steel span superstructure. Certified check for $500.00.

Cedar Grove Bridge No. 773, Project 3179 Kanawha County, over Kelly's Creek, 85 ft. steel span superstructure, concrete substructure. Separate proposals will be received for superstructure, certified check for $500.00 and substructure certified check for $500.00.

Hugheston Bridge No. 783, Project 3135-B Kanawha County, over Hughes Creek. 80 ft. steel span superstructure only, certified check for $500.00.

Hartland Bridge No. 805, Clay County, over Elk River. Concrete substructure only. Certified check for $1,100.00.

Bartow Bridge No. 829, Project 3185, Pocahontas County, over East Fork of Greenbrier River. Concrete arch, 2-56 ft. spans. Certified check for $500.00.

Poca Bridge No. 619, Putnam County, over Pocatalico River. 180 ft. span, steel truss superstructure, Ashlar masonry substructure. Separate proposals will be received for substructure, certified check for $1,400.00 and superstructure, certified check for $600.00.

East Keystone Bridge No. 727, Project 3096, McDowell County, over Elkhorn Creek. 65 ft. span steel with 5 ft. sidewalk, Ashlar masonry substructure. Substructure and superstructure to be let in one contract. Certified check for $500.00.

Clothier Bridge No. 810, Project 3059, Logan County, over Spruce Fork. 130 ft. steel span superstructure, Ashlar masonry substructure. Substructure to be let on separate contract. Certified check for $500.00.

Sharpless Bridge No. 826, Project 3059, Logan County, over Spruce Fork. 130 ft. steel span superstructure, Ashlar masonry substructure. Substructure to be let on separate contract. Certified check for $500.00.

Note: Superstructures for Bridges No. 810 and No. 826 to be let in one contract. Certified check $800.00.

Seng Camp Bridge No. 830, Project 3059, Logan County, over Seng Camp Creek. Concrete thru girder, 45 ft. span. Ashlar masonry substructure. Certified check for $500.00.

Allen Creek Bridge No. 730, Project 3062, Wyoming County, over Guyandotte River. Concrete arch, 2-75 ft. spans. Certified check for $1,000.00.

Cross Creek Bridge No. 819, Project 3126, Brooke County, over Cross Creek, concrete arch, 90 ft. span. Certified check for $1,200.00.

Granny Creek Bridge No. 807, Project 3110, Braxton County, over Granny Creek. Concrete deck girder, 50 ft. span, concrete substructure, pile foundation. Certified check for $750.00.

Junction Bridge No. 802, Project 3011-B, Hampshire County, over Mill Creek. Concrete slab, 6-20 ft. spans, concrete substructure. Certified check for $500.00.

Reynolds' Gap Bridge No. 808, Project 3013, Hardy County, over Mud Lick Run. Concrete thru girder, 2-40 ft. spans, concrete substructure. Certified check for $500.00.

Judy Bridge No. 809, Project 3014, Pendleton County, over N. Mill Creek. Concrete thru girder, 2-40 ft. spans, concrete substructure. Certified check for $500.00.

Reeds Creek Bridge No. 828, Project 3105, Pendleton County, over Reeds Creek. Concrete slab, 2-22 ft. spans, concrete substructure. Certified check for $500.00.

Proposals will be received only upon State Standard Forms in accordance with plans, specifications and estimates of quantities therefor, which standard forms, plans, specifications and estimates may be obtained from the office of the State Road Commission at Charleston, West Virginia.

Each proposal must be accompanied by a certified check in the amount noted for each proposal.

The right is reserved to reject any and all proposals.

STATE ROAD COMMISSION
E. B. CARSKADON, Secretary.

OFFICIAL PROPOSALS

Bids: Aug. 16.

Cast Iron Water Pipes

Sayreville, N. J.

Sealed proposals will be received by the Mayor and Borough Council of the Borough of Sayreville, N. J., at the Borough Council Chambers, Borough Hall, in the Borough of Sayreville on the 16th day of August, 1922 at the hour of 8 o'clock, P. M., Daylight Saving Time and 7 o'clock, P. M., Standard Time for the furnishing of one hundred forty-six (146) tons 4 Inch cast iron pipe, hub and spigot ends, Class "B"; twelve hundred ninety-three (1293) tons 6 Inch to 18 Inch Cast Iron Pipe, hub and spigot ends, classes "B" and "C", and twenty-four (24) tons special iron castings. All pipe and special castings to be manufactured in accordance with Am. W. W. Assn. specifications. All proposals shall state the price per ton of 2,000 pounds, Sayreville, N. J.

All of said bids shall be in accordance with the specifications prepared by Waldo S. Coulter, Consulting Engineer, 114 Liberty Street, New York, N. Y., which said specifications were adopted by the Borough Council of the Borough of Sayreville at the meeting held on Wednesday, March 15, 1922, which said specifications are now on file in the office of the Borough Clerk, Borough Hall, Sayreville, N. J., where they may be seen by bidders, or a set of said specifications can be obtained from Waldo S. Coulter, Consulting Engineer, upon the payment of two dollars ($2.00), which said sum of two dollars ($2.00) will not be refunded.

Each proposal must be in a sealed envelope and marked "Proposal for Cast Iron Pipe." Each bid must be accompanied by a certified check for four thousand dollars ($4,000) made payable unconditionally to the Treasurer of the Borough of Sayreville, which check must be presented with the bid as a guarantee that the bidder will within ten (10) days after receiving the award, enter into contract with the Borough of Sayreville for the furnishing of the said cast iron pipe and special castings, and will also provide a Surety Company Bond to be approved by the Borough Attorney in the sum of Thirty thousand dollars ($30,000) for the faithful performance of the contract.

The furnishing of said cast iron pipe and special castings shall be completed within 150 days from the date of the signing of the contract.

The Mayor and Borough Council reserve the right to reject and and all bids.

EDWARD E. CLARK,
Mayor.

Attest:
FRANK P. KOLB,
Borough Clerk.
Approved:
THOMAS H. HAGERTY,
Borough Attorney.

Bids: Aug. 30.

Tunnel

Providence, R. I.

Sealed proposals for building the Tunnel portion of the Scituate Aqueduct located in the Town of Scituate and the City of Cranston, R. I. about 8 miles southwesterly of the City of Providence, R. I. will be received at the office of the Water Supply Board, City Hall, Providence, R. I. until 1:30 P.M. Eastern Standard Time (2:30 P. M. daylight saving time) on Wednesday, August 30, 1922, at which time and place they will be publicly opened and read.

The work will include the construction of a concrete lined tunnel about 3⅜ miles in length with an area inside the lining equivalent to a circle 7 feet 9 inches in diameter but of a horse shoe shape except at and near the portals where a 7½ foot circular section will be used. A construction shaft about 140 feet in depth will be required. It is expected that the tunnel will be in rock for substantially its entire length. Some of the principal estimated quantities are: tunnel excavation 60,000 cubic yards, concrete 28,500 cubic yards, excavation in open cut 17,000 cubic yards.

Pamphlets containing plans, information for bidders, form of proposal, contract and bond and specifications, may be obtained on or about August 9 from the Secretary of the Board, City Hall, or from the Chief Engineer, 661 Westminster Street.

CITY OF PROVIDENCE
WATER SUPPLY BOARD.
B. THOMAS POTTER,
Chairman
SAMUEL N. GRAMMONT,
Secretary.
FRANK E. WINSOR,
Chief Engineer.

OFFICIAL PROPOSALS

Bids: Aug. 10.

State Road Work

Trenton, N. J.

NOTICE IS HEREBY GIVEN that sealed bids will be received by the State Highway Commission of New Jersey for the construction of the following:

Bituminous Concrete Shoulders two feet wide on each side of present concrete pavement, Route No. 4, Job 445, Broadway from Main Street to Scott Avenue in South Amboy, in the County of Middlesex. Estimated 1,950 square yards of bituminous concrete FABC-1 (Topeka) including scarifying, re-shaping, etc., where necessary.

Bids will be received by the State Highway Commission at the offices of the Commission, Broad Street Bank Bldg., Trenton, N. J., on Thursday, August 10th, 1922, at 11:00 A.M. STANDARD TIME and opened and read immediately thereafter.

Specifications, form of bid, special addressed envelopes and conditions under which bids will be accepted for the above are on file in the office of Mr. A. W. Muir, Superintendent of Maintenance, 517 Broad Street Bank Building, Trenton, N. J., and may be obtained upon request. Bids must be made upon the proposal forms furnished, in the manner designated therein, and as required by the specifications, same to be enclosed in sealed special addressed envelopes which will be furnished each bidder with the bid blank, bearing the name and address of the bidder and work bid upon on the outside, and must be accompanied by a certified check drawn to the order of the Treasurer of the State of New Jersey for not less than ten per cent (10%) of the amount of the bid, provided that the said certified check shall not be less than $500.00 nor more than $20,000.00 and be delivered at the above place on or before the hour named. Bids not submitted on the standard proposal form or enclosed in other than the special envelope will be considered informal and will be rejected.

Each bidder must accompany his bid with a certificate from a surety company duly authorized to do business in this State, stating that such surety company will provide said bidder with a bond in such sum as is required in and in accordance with the provisions of said specifications, conditioned for the faithful performance of the provisions of the contract and specifications.

The State Highway Commission reserves the right to reject any or all bids. By order of the State Highway Commission.

A. LEE GROVER,
Chief Clerk.

Bids: Aug. 15.

Inlet Construction

Ft. Lauderdale, Fla.

Notice is hereby given that the Board of County Commissioners, Broward County, Florida, will receive bids until 11.00 A.M., on Tuesday, August 15, 1922, for the construction of an inlet from New River Sound to the Atlantic Ocean, near Ft. Lauderdale, as per plans and specifications on file in the Clerk's Office, Courthouse Bldg., Ft. Lauderdale, Fla.

Such work shall be let in two contracts, being as follows:

(a) The dredging of 81,000 cubic yards more or less of earth; and the dredging of 5,000 cubic yards more or less of rock;

(b) The furnishing and placing of 6,200 cubic yards more or less of riprap and jetty hearting and of 2,500 tons more or less of jetty capping, all in riprap and jetty construction.

Separate bids will be received and separate contracts let for each of the two classes of work mentioned. Copy of plans and specifications may be secured from the Clerk upon payment of $1.00 to cover cost of printing the same.

Each bid shall be accompanied by a certified check in the amount of 3% of the bid, guaranteeing that the bidder will make contract and bond within ten days of notice of award.

Bond on each contract will be required in the sum of 50% of the amount bid.

Address all bids to the Board of County Commissioners, in care of Frank A. Bryan, Clerk, Ft. Lauderdale, Fla.

The Board reserves the right to reject any and all bids.

By order of the Board.

H. G. WHEELER,
Chairman.

Attest:—
Frank A. Bryan, Clerk.
Geo. B. Hills Company, Engineers,
Jacksonville, Florida.
Dated July 10, 1922.

OFFICIAL PROPOSALS

Bids: Aug. 9.

Reconstruction: Sec. 6, Route 14

Atlantic City, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders of Atlantic County, N. J., at 12 o'clock noon on August 9th, 1922, (Daylight Saving Time), during a regular meeting of the Board at its meeting room in the Guarantee Trust Building, Atlantic City, N. J., for the reconstruction of section No. 6 of Route No. 14 in Hamilton Township, County of Atlantic, and State of New Jersey, with a Warrenite-Bitulithic pavement on a six inch (6 in.) 1-3-5 concrete base. The estimated amount of pavement and of base is 8,123.51 square yards together with excavation, extra embankment, gravel shoulders, drainage provisions and various other details required in the work. The aforesaid bids will be opened and read in public at the time and place stated for receiving them.

Plans, specifications, and forms of bid, certificate of surety, contract and bond, as prepared by A. H. Nelson, County Engineer and approved by the State Highway Commission, have been filed at the office of the County Engineer at 636 Guarantee Trust Building, Atlantic City, N. J., and at the office of the State Highway Commission in Broad Street Bank Building, Trenton, N. J., at which places they may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of said plans and specifications by the County Engineer on consideration of a deposit of $10 (Ten Dollars), which deposit will be refunded if the plans and specifications are returned to him in good condition by noon of August 9th, 1922. Each bid must be made on the standard proposal form, in the manner designated therein and required by the specifications, must be enclosed in a sealed envelope bearing on the outside the name and address of the bidder and the name of the road and the envelope must be addressed to the Board of Chosen Freeholders, Atlantic County, N. J. Each bid must be accompanied by a certificate of surety and by a certified check in an amount not less than Ten (10%) per cent of the bid and must be delivered at the place and on the hour above stated for receiving bids. A contract will be awarded, if awarded at all, subject to the sale and delivery of bonds which will be issued for the purpose of paying for the proposed work.

By order of the Board of Chosen Freeholders of Atlantic County.

F. W. WILLETTS,
Clerk.

Bids: August 17.

Intake Pier, Screens, Mains, Storage Tanks

Wheeling, W. Va.

Sealed proposals for the construction of an intake pier, 48-inch intake line, traveling screens with building, 17,000 feet of 30-inch steel force mains and 3,000 feet of 36-inch steel reservoir main, and 5 one-million-gallon steel storage tanks will be received by the City Clerk of Wheeling, W. Va., until twelve o'clock noon, Eastern Standard Time, on August 17th, 1922, and will then be opened and read publicly.

All bids shall be made upon the official proposal blanks attached to the Instructions to Bidders, Specifications, and Form of Contract and Bond, which may be seen at the office of the City Clerk, Wheeling, W. Va., or may be obtained by bona fide bidders upon application to The J. N. Chester Engineers, Union Bank Building, Pittsburgh, Pennsylvania, or W. M. Evans, City Clerk, upon deposit of Twenty-five Dollars ($25.00), which amount will be refunded to bidders upon return of plans and specifications in good order.

Each proposal shall be accompanied by a certified check made payable to the order of W. M. Evans, City Clerk, of not less than 5% of the total amount of the bid. This check is to be conditions that if bid is accepted, a contract will be entered into and performance of same secured within ten (10) days after notification of the acceptance of the bid. In case bid is rejected or contract entered into, check will be returned. Successful bidders will be required to furnish a corporate surety bond in an acceptable Surety Company, in the full amount of the contract.

The right is reserved to reject any or all bids.

C. H. DOWLER,
City Manager.
ATTEST:
W. M. EVANS,
City Clerk.

OFFICIAL PROPOSALS

Bids: Sept. 7.

Viaducts and Approaches

Nashville, Tenn.

The Board of Public Works of the City of Nashville will receive sealed proposals for the furnishing of materials and labor and the constructing complete of the East Nashville Viaduct and of the East and West Approaches of the Church Street Viaduct, both to be located in Nashville, Tennessee, and to be prosecuted in accordance with the plans and specifications of Freeland, Roberts & Company, Consulting Engineers.

Proposals will be considered:

1—On a lump sum basis for the furnishing of all labor and materials and the constructing complete of the East Nashville Viaduct.

2—On a lump sum basis for the furnishing of all labor and materials and the constructing complete of the East and West Approaches of the Church Street Viaduct.

3—On a lump sum basis for the furnishing of all labor and materials and the constructing complete of the East Nashville Viaduct and the East and West Approaches of the Church Street Viaduct.

Plans, specifications and bidding blanks on file at the office of the City Engineer, City Hall and also at the office of the Consulting Engineers, Freeland, Roberts & Co., 1212-13 Independent Life Building, Nashville, Tennessee.

Plans can be obtained on application with a deposit of twenty-five ($25.00) dollars, per set, this fee to be refunded to depositor on return of plans and specifications in good condition.

A certified check for Five Thousand ($5,000.00) dollars, or approved bidding bond in the sum of five (5%) per cent of the amount of the proposal, executed in favor of the City of Nashville, must accompany each bid.

The successful bidder will be required to execute bond in the full amount of the contract price.

All proposals must be mailed or delivered to S. H. McKay, City Clerk, City Hall., Nashville, Tennessee, on or before ten (10) o'clock a.m., Thursday, September 7th, 1922. Envelopes shall be marked, "Viaduct Proposal."

The Board of Public Works reserves the right to accept any bid or combination of bids, or to reject any or all bids and to waive all formalities.

APPROXIMATE QUANTITIES

Reinforced concrete 9,600 cu.yd.
Steel reinforcement 750 tons

FELIX Z. WILSON,
Mayor.

Attest:
S. H. McKAY,
City Clerk.

Bids: Aug. 7.

Remodelling Water Treatment Plant

Falls Creek, Pa.

Will be received by the Borough of Falls Creek, Jefferson County, Pennsylvania, at the Council Chamber, until 7 p. m. on the 7th day of August, 1922, for the construction work and other incidental work to the remodelling of the Borough Water Treatment Plant.

Plans and specifications can be seen and proposal sheets obtained from the secretary of the borough or at the office of Banks & Craig, engineers, Telegraph Building, Harrisburg, Pennsylvania. The estimated cost of the work is $7,000.00.

A set of plans and sepcifications can be obtained by placing a deposit drawn to the Borough Treasury in the amount of $5.00; $3.00 of which will be returned if the plans are returned in good condition and $2.00 of which will be returned if the specifications are returned in good condition, within thirty days (30) after the award of the contract.

Each bid must be accompanied by a certified check, payable to the order of the Borough of Falls Creek, in the amount of $100.00 as a guarantee that the bidder will enter into contract with the Borough of Falls Creek within ten days from the award of the bid.

The Borough Council reserves the right to reject any and all bids.

A L LUKEHART,
President of Council
C. E. SLAYTON,
Secretary of Council

OFFICIAL PROPOSALS

Bids: Aug. 15.

State Highway Work

Baltimore, Md.

SEALED PROPOSALS for building seven section of State Highway, as follows:

GARRETT COUNTY—Contract G-22—One section of State Highway from Gortner toward Red House, a distance of 2.0 miles—(Concrete).

FREDERICK COUNTY—Contract F-56—One section of State Highway from Middletown toward Myersville, for a distance of 2.03 miles—(Concrete).

MONTGOMERY COUNTY — Contract M-36—One section of State Highway along Flower Ave. from Carroll Ave. to Blair Road a distance of 1.0 miles—(Concrete).

HARFORD COUNTY—Contract H-28—One section of State Highway along the Phila. Road from Aberdeen toward the Balto. Co. Line, a distance of 2.0 miles—(Concrete).

SOMERSET COUNTY—Contract S-16—One section of State Highway from Marion toward Tulls Corner, a distance of 1.5 miles—(Concrete).

WORCESTER COUNTY—Contract WO-27—One section of State Highway from Bishop to Bishopville, a distance of 1.8 miles—(Concrete).

HOWARD COUNTY—Contract HO-25—One section of State Highway from the Columbia Pike near Ellicott City toward Pfeiffer's Corner, for a distance of 1.5 miles—(Concrete), will be received by the State Roads Commission, at its offices, 601 Garrett Building, Baltimore, Maryland, until 12 M. Standard Time, on the 15th day of August, 1922, at which time and place they will be publicly opened and read.

Bids must be made upon the blank proposal form which, with specifications and plans will be furnished by the Commission upon application and cash payment of $1.00, as hereafter no charges will be permitted.

No bids will be received unless accompanied by a certified check for the sum of Five Hundred ($500) Dollars, payable to the State Roads Commission.

The successful bidder will be required to give bond, and comply with the Acts of the General Assembly of Maryland, respecting contracts.

The Commission reserves the right to reject any and all bids.

BY ORDER of the State Roads Commission this 27th day of July, 1922.

JOHN N. MACKALL.
Chairman.
L. H. STEUART,
Secretary.

Bids: Aug. 10.

Drainage and Ditch Improvement

Wooster, Ohio.

Notice is hereby given that sealed proposals for the construction of the JOINT WAYNE-HOLMES COUNTY DITCH IMPROVEMENT will be received up until twelve o'clock noon Eastern Standard Time on Thursday, August 10, 1922, at the office of the Secretary of the Joint Board of County Commissioners of Wayne and Holmes Counties at the Court House at Wooster, Ohio.

The work to be done consists of the draining and dredging of Killbuck Creek in Wayne and Holmes Counties, in all, the distance of One Hundred and Fifty-Six Thousand (156,000) feet.

The yardage of earth to be moved is estimated at about 1,780,000 cubic yards, consisting principally of Hydraulic dredge work. The date of completion will be eighteen months from the date of awarding of contract.

A certified check in the amount of $10,000.00, payable to the Joint Board of County Commissioners of Wayne and Holmes Counties, Ohio, must accompany each proposal. Checks of unsuccessful bidders will be returned within ten days of the awarding of the contract.

The said board reserves the right to reject any or all bids. Plans, specifications and proposals are on file at the Secretary's office at the Court House, Wooster, Ohio, or same will be mailed upon application when same is accompanied by a deposit of $20, which will be refunded if plans are returned in good condition.

By order of the Joint Board of
County Commissioners of Wayne
and Holmes Counties.
CHAS. F. SCHOPF,
Secretary.

OFFICIAL PROPOSALS

Bids: Aug. 10.

Covered Reservoir

Poughkeepsie, N. Y.

Sealed proposals will be received by the Board of Public Works at its offices in Eastman Park Mansion on or before 4 p.m. (Daylight Saving Time), Thursday, August 10th, 1922, for the construction of a Pure Water Reservoir.

Plans, specifications, form of proposal, bond and contract may be obtained at the office of the Superintendent of Public Works, Poughkeepsie, N. Y., and at the office of Hazen, Whipple and Fuller, Consulting Engineers, 30 East 42nd Street, New York City, upon the deposit of Twenty-five ($25.00) Dollars, which amount will be refunded upon the return of the plans and specifications in good condition.

Quantities of work to be done are approximately:

Item 1.	1,490	cubic yards of stripping.
Item 2.	24,500	cubic yards of general excavation.
Item 3.	125	cubic yards of trench excavation.
Item 4.	16,350	cubic yards of rolled embankment.
Item 5.	4,600	cubic yards of general fill.
Item 6.	81	cubic yards of concrete for filling.
Item 7.	1,217	cubic yards of piers and vaulting.
Item 8.	958	cubic yards of floors.
Item 9.	1,120	cubic yards of walls.
Item 10.	85,000	pounds of reinforcing steel.
Item 11.		Entrance building. Lump sum.
Item 12.		Placing cast iron pipes and gates. Lump sum.

The proposal shall be accompanied by a certified check drawn upon an incorporated State or National Bank or Trust Company in good credit, within this State, payable to the order of the City of Poughkeepsie for five per cent of the amount of the bid. The successful bidder will be required to give a satisfactory bond for the faithful performance of the agreement in amount equal to fifty per cent of the value of the contract.

The Board of Public Works reserves the right to reject any or all bids.

By order of the Board of Public Works.
THOMAS F. LAWLOR, Supt.
HAZEN, WHIPPLE & FULLER,
Consulting Engineers,
30 East 42nd Street,
New York City.

Bids: Aug. 15.

Sewer Arms

Springwells, Mich.

Sealed proposals will be received up to 8 p.m. August 15, 1922, by the Village Clerk at the Village Hall Springwells, Michigan, for the construction of the following approximate quantities of sewers:—

Section 10.	3447 ft of 42 in. to 72 in. sewer to be built in tunnel.
Section 14.	5058 ft. of 48 in. to 72 in. sewer to be built in tunnel.
Section 15.	3068 ft. of 36 in. to 81 in. sewer to be built in tunnel or open cut.

Plans and specifications are on file at the office of the Village Clerk and copies may be secured from the office of Clarence W. Hubbell, Consulting Engineer, 2348 Penobscot Bldg., Detroit. A deposit of $10.00 will be required on each set which will be refunded upon their return in good order on or before August 25, 1922.

Certified checks, made payable to the Village of Springwells, for the following amounts will be required to accompany each bid:— Section No. 10, $2500.00. Section No. 14, $3000.00. Section No. 15, $2000.00. In case of failure or neglect to enter into contract and furnish the required bonds within the time specified the certified checks shall be forfeited to the Village of Springwells as liquidated damages.

No proposals will be received unless made on the blanks furnished and delivered to the Village Clerk on or before 8 p.m. August 15, 1922.

The Village reserves the right to reject any or all bids,

By order of the Village Council.
B. P. ESPER,
Village Clerk.

Print August 3rd.

OFFICIAL PROPOSALS

Bids: Aug. 16.

Steel Tower Tank

Sayreville, N. J.

Sealed proposals will be received by the Mayor and Borough Council of the Borough of Sayreville, N. J., at the Borough Council Chambers, Borough Hall, in the Borough of Sayreville on the 16th day of August, 1922 at the hour of 8 o'clock P. M., Daylight Saving Time and 7 o'clock P. M., Standard Time, for furnishing of 100,000 gallon steel tank on a tower sixty (60) feet high to the balcony, and erecting on foundations to be provided by the Borough of Sayreville.

All of said work to be done in accordance with the specifications prepared by Waldo S. Coulter, Consulting Engineer, 114 Liberty Street, New York, N. Y., and which said specifications were adopted by the Borough Council of the Borough of Sayreville, the meeting held Wednesday, March 15, 1922, which said specifications are now on file in the office of the Borough Clerk, Borough Hall, Sayreville, N. J., where they may be seen by bidders or a set of said specifications can be obtained from Waldo S. Coulter, Consulting Engineer upon the payment of two dollars ($2.00), which sal dsum of two dollars ($2.00) will not be refunded.

Each bidder shall submit with his proposal a drawing showing the sizes of the various members and the dimensions of the structure he proposes to furnish under this contract.

Each proposal must be in a sealed envelope and marked, "Proposal for Steel Tower Tank." Each bid must be accompanied by a certified check for five hundred dollars ($500) made payable unconditionally to the Treasurer of the Borough of Sayreville, which check must be presented with the bid as a guarantee that the bidder will within ten (10) days after receiving the award, enter into contract with the Borough of Sayreville for the performance of the work, and will also provide a Surety Company bond to be approved by the Borough Attorney in the sum of five thousand dollars ($5,000) for the faithful performance of the said contract.

The Mayor and Borough Council reserve the right to reject any and all bids.

The erection and construction of said steel tower tank must be completed within 150 consecutive working days from the date of the signing of the contract.

EDWARD E. CLARK,
Mayor.

Attest:
FRANK P. KOLB,
Borough Clerk.
Approved:
THOMAS H. HAGERTY,
Borough Attorney.

Bids: Aug. 23.

Pipe Sewers and Disposal Works

Rye, N. Y.

Sealed proposals will be received and opened publicly by the Trustees of the Village of Rye, N. Y., at the Village Municipal Hall, at 8.15 p.m., August 23rd, 1922.

Said proposals to cover construction (both materials and labor included) of certain pipe sewers and disposal works, according to plans and specifications filed with the Village Clerk.

Copies of plans and specifications may be seen also at office of City-Wastes Disposal Co., 45 Seventh Ave., New York City. Sets may be borrowed upon deposit of $15 of which $10 will be refunded if papers are returned in good condition before Sept. 1st., 1922.

Approximately the proposed work consists of:

- About 29,000 feet of 8-inch and 600 feet of 15-inch vitrified pipe sewers, with manholes and flushtanks, much of it in rock excavation;
- About 6,600 feet of iron pipe sewers, siphons and force-mains, 8-inch to 16-inch;
- An indeterminate amount of drain-tile laid in sewer trench;
- Sewage tanks, sprinkling filters and sand-beds, with appurtenances.

Each bid must be made on blank forms obtained from the Village Clerk or the Engineer, and must be accompanied by a certified check for $10,000 as a guarantee of good faith.

The Village reserves the right to reject any or all bids.

WILLIAM H. SELZER,
Village Clerk,
Rye, Westchester Co., N. Y.
G. EVERETT HILL,
Engineer,
45 Seventh Ave., New York.

OFFICIAL PROPOSALS

Bids: Aug. 8.

Water Pump Equipment

Manasquan, N. J.

Sealed proposals will be received by the Borough Council of the Borough of Manasquan, N. J., at a public meeting to be held in the Council Chambers on Broad St., Manasquan, N. J., on Tuesday, Aug. 8, 1922, at 8.00 p.m. (daylight saving time), and then publicly opened and read for furnishing all the necessary labor and materials for the installation of Water Pumping Equipment in accordance with the plans and specifications of Runyon & Carey, Consulting Engineers, 845 Broad St., Newark, N. J.

All proposals shall be enclosed in a sealed envelope directed to the Borough Clerk, Manasquan, N. J., endorsed on the outside "Proposal for Water Pumping Equipment," and must be received by the Borough Clerk on or before the time above mentioned.

Each bidder must submit with his proposal a certified check or cash in the sum of Eight Hundred $800.00) Dollars. The certified check made payable to the order of the Borough of Manasquan, N. J., and if for any reason whatever, the bidder, after the opening of bids, withdraws from the competition or if he refuses to execute the contract and required bond in the event of said contract being awarded to him, then the cash or the proceeds of the check accompanying such proposal shall become the property of the Borough of Manasquan, N. J.

The check submitted by the successful bidder will be retained until the execution of the formal contract and bond, and the checks of the unsuccessful bidders will be returned immediately after the proposal of the succcessful bidder shall have been accepted.

A bond or security for the faithful performance of the contract and protection of the labor and materials furnished in said contract will be required of the successful contractor, according to statutory requirements, in a sum equal to the estimated cost of the work, which bond must be executed by an approved surety company duly authorized to become such surety by the laws of the State of New Jersey and each proposal must be accompanied by a proposition in writing whereby said surety company contracts to furnish on application bond as required.

All proposals shall comply in all respects with the "Instructions and Conditions for the Submission of Bids," accompanying the specification.

Plans and specifications will be on file in the office of the Borough Clerk.

For the convenience and use of prospective bidders, copies of the plans and specifications will be furnished upon application to the engineers and upon the deposit of cash or a certified check in the sum of Fifteen ($15.00) Dollars, made payable to the order of Runyon & Carey, which will be returned to the prospective bidder upon return of the plans and specifications.

The Borough Council reserves the right to reject any or all proposals submitted or to waive any defects therein.

All proposals must be made out on blanks furnished for that purpose by the engineers.

LLOYD C. RIDDLE,
Mayor.

Attest:
ANNIE B. APPLEGET,
Borough Clerk.

Bids: Aug. 16.

Water Main and Sewer Construction

Hyattsville, Md.

Sealed proposals for Contract 32-W & S will be received at the office of the Washington Suburban Sanitary Commission, Evans Bldg., New York Ave., Washington, D. C. until 3 P.M., Eastern Standard Time, Wednesday, August 16, 1922, for constructing 11,500 feet of 5 in. to 8 in. cast iron water mains and 33,500 feet of 6 in. to 10 in. sewers and appurtenances.

Plans obtainable from Robert B. Morse, Chief Engineer of District, Hyattsville, Md., on returnable deposit of $5.00.

T. HOWARD DUCKETT,
EMORY H. BOGLEY,
J. BOND SMITH,
Commissioners.

DITCHING CONTRACT WANTED

Anyone having work to sublet, suitable for a 30-ft. span Bay City Dryland Dredge.

Write to
N. B. MILLER, Milan, Tenn.

OFFICIAL PROPOSALS

HARRIS
Bids: Aug. 16.

Street Paving

Nashville, Tenn.

Notice is hereby given that sealed proposals will be received at the office of the City Clerk until 10 o'clock a.m. Wednesday, August 16, 1922, for constructing street paving on the following streets, to-wit:

GRANITE BLOCK PAVING (RESURFACE)

Buchanan Street from 9th Avenue to 18th Avenue, South Second Street from Woodland Street to Fatherland Street.

BITUMINOUS CONCRETE PAVEMENT (RESURFACE)

Sixth Avenue, South, from Broadawy to Bell Street.

ASPHALTIC PAVEMENT (RESURFACE)

Hayes Street from 15th Avenue to Louise Avenue, Terrace Place from 20th Avenue to 21st Avenue, Villa Street from South Street to Tremont Street, McMillin Avenue from Church Street to Cedar Street, Heffernan Street from 18th Avenue to 21st Avenue, South Second Street from Fatherland Street to Shelby Avenue, Seventh Street from Woodland Street to Bienville Street, Foster Street from First Street to Seventh Street, Shelby Avenue from Second Street to Tenth Street, South Tenth Street from Woodland Street to Shelby Avenue.

ASPHALTIC PAVEMENT (NEW GRADING AND PAVING)

Highland Avenue from Twenty-fifth Avenue to Twenty-eighth Avenue, Glen Avenue from Ninth Avenue to Bradford Avenue, Halcyon Avenue from Ninth Avenue to Twelfth Avenue, Montrose Avenue from Ninth Avenue to Twelfth Avenue, Nineteenth Avenue, South, from Acklen Avenue to point 525 feet south, Twentieth Avenue, South, from Acklen Avenue to point 525 feet south, Heffernan Street from Twenty-first Avenue to Twenty-eighth Avenue, Evander Street from Woodland Street to Holly Street, Russell Street from Nineteenth Street to Twentieth Street, South Nineteenth Street from Shelby Avenue to Electric Avenue, South Nineteenth Street from Russell Street to Shelby Avenue, Ashworth Avenue from Eighteenth Street to Shelby Park, Alley No. 919 (between West Belmont Circle and Eighteenth Avenue) from Acklen Avenue to point 500 feet south.

Approximately 13,000 square yards of Granite Block Paving, 3,000 square yards of Bituminous Concrete Paving, 79,000 square yards of Asphaltic Paving (Resurface) and 50,000 square yards of Asphaltic Paving (New Grading and Paving) will be required. Separate proposals must be submitted for each street on blank forms accompanying specifications, which will be furnished by Wm. W. Southgate, City Engineer, upon application. A charge of fifty cents (50c.) per copy will be made for each specification and proposal furnished. Proposals must be accompanied by a certified check payable to the order of the City of Nashville in an amount equivalent to ten per cent of the aggregate bid, or an approved bond in a penal sum of like amount with a solvent surety indemnity insurance company authorized to do business in the State of Tennessee. The said checks and bonds will be returned to unsuccessful bidders upon award of contract, and to successful bidders when they shall have entered into contract and made approved bond for the faithful performance of said contract as required by law. The right is reserved to reject any and all bids.

By order of the Board of Public Works.

FELIX Z. WILSON,
Mayor.

Attest:
S. H. McKAY,
City Clerk.

Bids: Aug. 15.

Concrete Paving

Cape May, N. J.

Sealed bids will be received by the commissioners of the City of Cape May, N. J., until Tuesday, August 15, 1922, at ten o'clock standard time, for the laying of approximately 23,000 square yards of portland cement concrete paving, together with alternate bids for laying a like amount of a bituminous surface paving.

Bids must be accompanied by a certified check for an amount not less than five per cent of the total amount bid. Plans and specifications may be had on application to the City Engineer on making a deposit of five dollars, which will be refunded on return of plans and specifications in good condition. The commissioners reserve the right to reject any or all bids.

H. H. BELL,
City Engineer.

OFFICIAL PROPOSALS

Bids: Aug. 16.

Water Works System

Sayreville, N. J.

Sealed **proposals will be received by the** Mayor and **Borough Council of the Borough** of **Sayreville, N. J., at the Borough** Council **Chambers, Borough Hall, in the** Borough **of Sayreville, on the 16th day of** August, **1922, at the hour of 8 o'clock** p.m., Daylight **Saving Time and 7 o'clock** p.m. Standard **Time, for the construction** of a Water **Works System in the Borough** of **Sayreville. The work, will, in general,** consist of:

Laying about **13,402 lin.ft. of 4 inch** Cast Iron **Pipe,**
Laying **about 30,715 lin.ft. of 6 inch** Cast Iron **Pipe,**
Laying **about 10,215 lin.ft. of 8 inch** Cast Iron **Pipe,**
Laying **about 14,780 lin.ft. of 10 inch** Cast Iron **Pipe**

together with **other and appertaining con**struction.

All of **said work to be done in accord**ance with **the plans and specifications** prepared by **Waldo S. Coulter, Consulting** Engineer, 114 **Liberty Street, New York,** N. Y., which **said plans and specifications** were adopted **by the Borough Council** of the **Borough of Sayreville at the meet**ing held **Wednesday, March 15th, 1922,** and **which said plans and specifications** are now **on file in the office of the Bor**ough **Clerk, Borough Hall, Sayreville, N. J.,** where **they may be seen by bidders or** a set **of the said plans and specifications** can be **secured from Waldo S. Coulter,** Consulting **Engineer, by depositing ten** dollars **($10.00), one half of which will be** refunded **upon the return of the plans** and specifications **in good condition within** seven **(7) days after the award of the** contract. **All bids must be on the form** of proposal **to be obtained from the Con**sulting Engineer.

Each bidder **must accompany his bid by** a certified **check of five thousand dollars** ($5,000). **payable unconditionally to the** Treasurer **of the Borough of Sayreville,** which **said check must be presented with** the bid **as a guarantee that the bidder** will within **ten (10) days after receiving** the award **enter into and execute a con**tract **for the faithful performance of the** work **to be done under said contract, and** said bid **must be in a sealed envelope and** marked **"Proposal for a Water Works** System." **The successful bidder will also** be required **to furnish a Surety Company** bond **to the Borough of Sayreville in the** amount **of Fifty Thousand Dollars ($50,**000), **for the faithful performance of the** work **to be done under said contract, said** bond **to be approved by the Borough At**torney.

In case **of failure to execute the con**tract **and furnish the required Surety** Company **bond within ten (10) days after** due notice **that the contract has been** awarded **to him, the successful bidder** shall forfeit **his deposit to the Borough** of Sayreville **as liquidated damages.**

The **right to reject any or all bids is** reserved **by the Mayor and Borough** Council.

All of **said work must be completed on** or before **December 1, 1923.**

EDWARD E. CLARK,
Mayor.

Attest:
FRANK F. KOLB,
Borough Clerk.
Approved:
THOMAS H. HAGERTY,
Borough Attorney.

OFFICIAL PROPOSALS

Bids: Aug. 9.

Road Work

Hackensack, N. J.

Notice is hereby given that sealed bids will be received by the Board of Chosen Freeholders for the construction of Section 3, Route No. 10, from the Borough of Little Ferry to the Borough of Ridgefield, in the County of Bergen, with an 8-in. one course reinforced concrete pavement; estimated amount of surface pavement required is 17,680 sq. yds.; and opened and read in public at Court House, Hackensack, N. J. on Wednesday, August 9th, 1922, at 1.30 P. M. (daylight savings time).

Drawings, specifications and forms of bid, contract and bond for the proposed work, prepared by the County Engineer, and approved by the State Highway Commission, have been filed in the office of the said Engineer at the Court House, Hackensack, N. J., and of said State Highway Commission, Trenton, N. J., and may be inspected by prospective bidders during business hours. Bidders will be furnished with a copy of the specifications and blue prints of the drawings by the engineer on proper notice and payment of cost of preparation. Bids must be made on the standard proposal forms in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes, bearing the name and address of bidder and name of road on the outside, addressed to the Board of Chosen Freeholders of the County of Bergen and must be accompanied by a certificate from the Bonding Company and a certified check for not less than 10 per cent of the bid and be delivered at the place and on the hour above named. The standard proposal form is attached to the specifications, copies of which will be furnished on application to engineer.

Work to be performed under County Reimbursement Act Chapter 183 Laws of 1918, and amended by Chapter 317, Laws of 1920.

By Order of Board of Chosen Freeholders, Bergen County, N. J.

JAS. M. HARKNESS,
Clerk.

Bids: Aug. 14.

Dam Construction

Newburgh, N. Y.

Sealed proposals will be received by the City Manager of Newburgh, N. Y., for the construction of dams at Silver Stream until 12 o'clock, noon, Monday, August 14.

The work comprises the construction of two adjoining dams, the total length of which is about 1,200 feet. The easterly dam is to be of earth with a concrete core wall, concrete spillway, small gate house and superstructure with a 48-inch blow-off pipe. Alternate bids are asked for the west dam, for earth embankment, with concrete core wall and also with a reinforced concrete center section to take the place of the earth embankment in the dam.

A certified check of $5,000 is required with each bid. A deposit of $15 is required for each set of plans and specifications, $10 of which will be returned upon the return of the plans and specifications.

Information regarding plans and specifications, etc., may be obtained at the offices of George W. Fuller and James C. Harding, 170 Broadway, New York City, and at the office of the City Engineer, at the City Hall, Newburgh, N. Y.

W. JOHNSTON McKAY,
City Manager.

OFFICIAL PROPOSALS

Bids: Aug. 16.

State Highway Work

Providence, R. I.

Sealed proposals for the reconstruction under the provisions of the Federal Aid Road Act of two sections of State Highway (Total length 1.8 miles) located upon the Boston Neck Road, so-called, in the Town of Narragansett, will be received by the State Board of Public Roads at its office, State House, Providence, R. I., until 12 m. (Daylight Saving) 11 a.m. (Eastern Standard), on Wednesday, August 16, 1922, at which time they will be opened and read in public.

The principal quantities involved are as follows:

Clearing and grubbing, 2 acres.
Earth Excavation, 8,300 cu. yds.
Borrow, 5,000 cu. yds.
Gravel Foundation, 2,700 cu. yds.
Wooden Guard Rail, 3,450 lin. feet.
Crushed Stone for Bitum. Macadam, 500 tons.
Hauling, Heating and Applying Asphalt, 4,000 gallons.
Cement Concrete Pavement in Place, 4,000 cu. yds.
Steel Reinforcement for Pavement, 166,000 pounds.
Cement for Pavement, 6,600 bbls.

Bids must be made upon blank forms to be furnished by the Board. No bids will be accepted unless accompanied by a certified check for the sum of $200.00 payable to the State of Rhode Island.

The Board reserves the right to reject any and all bids, and to give preference to towns or cities, in accordance with Section V of Chapter 84 of the General Laws.

Plans may be examined and specifications and bidding blanks may be obtained at the office of the State Board of Public Roads, State House, Providence, R. I., on and after Wednesday, August 2nd, 1922, every week day (except holidays and Saturdays), between the hours of 9 a.m. and 5 p.m. Saturdays, 9 a.m. to 12 m.

State Board of Public Roads,
ABRAM L. ATWOOD
BENJAMIN F. ROBINSON
FRANK COLE
J. HENRY WOODARD
ALTON HEAD

Bids: Aug. 10.

Cast Iron Water Pipe or Steel Water Pipe

Poughkeepsie, N. Y.

Sealed proposals will be received by the Board of Public Works at its offices in Eastman Park Mansion on or before 4 p.m. (Daylight Saving Time), Thursday, August 10th, 1922, for furnishing Cast Iron Water Pipe and Specials, or Steel Water Pipe and Specials.

Specifications, form of proposal, bond and contract may be obtained at the office of the Superintendent of Public Works, Poughkeepsie, N. Y., and at the office of Hazen, Whipple and Fuller, Consulting Engineers, 30 East 42nd Street, New York City, upon the deposit of Ten ($10.00) Dollars, which amount will be refunded upon the return of the specifications in good condition.

The materials to be furnished are as follows:

Approximately 2,589 Tons of 20"-24" and 30" Cast Iron Bell and Spigot Pipe.
Approximately 165,000 lb. Bell and Spigot Standard Specials.

AND AS AN ALTERNATE TO THE ABOVE

Approximately 20,680 lineal feet of 24" Steel Pipe $\frac{5}{16}$" thick.
Approximately 250 lineal feet of 30" Steel Pipe $\frac{5}{16}$" thick.
Approximately 9,000 lbs. of Cast Steel Saddles and Fittings.

The proposal shall be accompanied by a certified check drawn upon an incorporated State or National Bank or Trust Company in good credit, within this State, payable to the order of the City of Poughkeepsie for five per cent of the amount of the bid. The successful bidder will be required to give a satisfactory bond for the faithful performance of the agreement in amount equal to fifty per cent of the value of the contract.

The Board of Public Works reserves the right to reject any or all bids.

By order of the Board of Public Works.
THOMAS F. LAWLOR, Supt.
HAZEN, WHIPPLE & FULLER,
Consulting Engineers,
30 East 42nd Street,
New York City.

Not What You Do, But—
How You Do It

¶Did you ever stop to think why one contractor makes a big success of a construction job while another will make just as huge a failure of the same type of work? ¶The answer is largely a matter of the method of handling because the plans, steel, bricks, mortar and men are the same in both cases. ¶The same thing is true of building a contractor's prestige with the underwriters. ¶This job can either be bungled or a complete, well-executed job of building his credit in the Bank of Underwriting will be the result. ¶It's all in the handling. ¶Swart Service has an outstanding reputation for leaving no stone unturned in properly preparing a contractor's case and intelligently presenting it to the Underwriters. ¶Your decision is an easy one when you realize that Swart Service costs no more than the ordinary sort. ¶—and it will cost you nothing to find out more about it.

HARMON V. SWART
Contract Bonds *Compensation Insurance*
92 William Street, New York

OFFICIAL PROPOSALS

Bids: Aug. 18.

Channel Work

Bloomington, Ill.

Sealed bids will be received by the Trustees of the Bloomington and Normal Sanitary District, at 404 Unity Building, Bloomington, Illinois, up to 2 o'clock p. m., August 18, 1922, for construction of the open channel work of the District as **follows:**

71,300 cubic yards excavation in **open** channel.
76,200 square yards hand dressed spoil bank.
150 lineal feet retaining wall requiring 56 cu. yd. concrete.
75 lineal feet reinforced concrete sewer crossing under channel.
1 manhole on 33-inch sewer.
1 manhole on 48-inch sewer to be repaired.
Supports for two sewers crossing proposed channel.

Open channel has bottom widths from 8 feet to 26 feet, with side slopes 1½ to 1, average depth 7 feet.

Separate bids will be received on the dredging and spoil bank work and on the incidental work above listed.

All bids must be on forms prescribed by the Trustees and bidding blanks may be obtained from Taylor & Woltmann, 428 Unity Bldg., Bloomington, Illinois, Engineers for the District.

Plans, profiles and specifications for the work may be obtained from the Engineers.

All bids must be accompanied by a check for 10 per cent of the amount of the bid, certified by a responsible bank, payable to John W. Harber, President of Board of Trustees.

The Trustees reserve the right to reject any and all bids.

Dated Bloomington, Illinois, July 8, 1922.

JOHN W. HARBER,
FRED D. BARBER,
JOHN J. CONDON,
Trustees, Bloomington and Normal Sanitary District.

Bids: Aug. 22.

Miami River Bridge

Miami, Fla.

Sealed proposals, to be filed with the City Manager, will be received by the City of Miami, Florida, up to nine o'clock a.m., August 22, 1922, at the regular meeting of the Commission, for the construction of a bridge over the Miami River at Southwest Second Avenue. The bridge is a double leaf steel bascule span with concrete piers and embankment approaches; clear span 115 ft., total length of improvement about 500 ft.; one 30 ft. roadway, two 6 ft. walks. Approximate structural metal and machinery 170 tons; concrete 2,700 cubic yards, reinforcing steel 26 tons.

The work will be let to one Contractor on a unit price contract. With each bid there shall be a certified check or bidder's bond for not less than five per cent of the gross bid, made payable to the City of Miami, to be forfeited as liquidated damages by any bidder who is awarded the contract, who fails to promptly execute the contract and bond. Checks of unsuccessful bidders will be returned upon execution of contract, or sooner, upon action of the Commission of the City of Miami. The contract will be awarded to the lowest responsible bidder, but the City Manager shall have the power to reject all bids and advertise again.

Plans and specifications may be examined in the office of Chas. W. Murray, Director of Public Service and Welfare, Miami, Florida, and in the office of Harrington, Howard and Ash, Consulting Engineers, Kansas City, Missouri. Copies may be secured from the Consulting Engineers by depositing $25.00. Such copies shall be returned and a refund of $15.00 made.

F. H. WHARTON, City Manager.

Bids: Aug. 18.

Brick and Stone Church

Madisonville, Ky.

The building committee of The Methodist Episcopal Church, South of Madisonville, Ky., will receive proposals for the erection of a brick and stone church up until 10 o'clock a.m., August 18th, 1922.

Plans and specifications may be had upon application to Rev. J. A. Baylor, Architect, 1115 Fourth Ave., Louisville, Ky., or the chairman of the committee.

A certified check for $2,500.00 payable to J. B. Scott, Treasurer, or a proposal bond executed by some good bonding company must be enclosed with each proposal.

The committee reserves the right to reject any or all proposals.

BASIL M. BROOKS, Chn. of Committee.

OFFICIAL PROPOSALS

Bids: Aug. 17.

Reinforced Concrete Street Paving and Appertaining Structures

Upper Nyack, N. Y.

Sealed proposals will be received by the Trustees and President of the Village of Upper Nyack, at the Village Hall, Upper Nyack, New York, at 2 p.m. standard time, **August 17, 1922, for street improvements.** Work will consist of approximately 14,000 square yards of reinforced cement concrete pavement.

All bids must be upon blanks provided in the proposal furnished to bidders.

Bids must be accompanied by a certified check for three per cent, (3%) of the amount of the bid. Plans and specifications will be on file at the Village Treasurer's office, Wyman & Polhamous store, Upper Nyack, and the office of the Engineer, 507 Fifth Avenue, Room 600, New York City.

Copies of the plans and specifications may be obtained on or after August 3rd, 1922, for three dollars, ($3.00), per set. No refund for specifications or plans returned. Bidding blanks will be furnished free.

The right is reserved to reject any or all bids.

FRANK R. ZWAHLEN,
Village Clerk.

H. ELTINGE BREED, Engineer,
507 Fifth Avenue,
Room 600,
New York City.

Bids: Aug. 15.

Highway Work

Albany, N. Y.

Sealed proposals will be received by the undersigned at their office, No. 55 Lancaster Street, Albany, N. Y., on TUESDAY, the 15th day of August, 1922, at one o'clock p.m. advanced standard time, which is twelve o'clock noon, eastern standard time, for the improvement of the highways in the following counties:

CAYUGA..............(one highway: 4.13)
CORTLAND..........(one highway: 3.54)
ESSEX...............(one highway: 5.19)
ORANGE.............(one highway: 7.96)

Also for the reconstruction of the following:

COLUMBIA..........(one contract: 3.11)
DUTCHESS.........(two contracts: 0.24)
and 3.04
LEWIS...............one contract: 3.00)
ORLEANS...........(one contract: 2.08)

Maps, plans, specifications and estimates may be seen and proposal forms obtained at the office of the Commission in Albany, N. Y., and also at the office of the division engineers in whose division the roads are to be improved or reconstructed. The addresses of the division engineers and the counties in which they are in charge will be furnished upon request.

The special attention of bidders is called to "General Information for Bidders" in the itemized proposal, specifications and contract agreement.

HERBERT S. SISSON,
Commissioner.

J. C. FINCH,
Secretary.

U. S. GOVERNMENT

U. S. ENGINEER OFFICE, BALTIMORE, MD., Sealed proposals will be received here until 1 p.m., daylight saving time, August 21, 1922, and then opened for dredging in Baltimore Harbor and Channels, Md. Further information on application.

U. S. ENGINEER OFFICE, Room 710, Army Building, 39 Whitehall Street, New York, N. Y. Sealed proposals will be received here until 12 m., August 7, 1922 (daylight saving time), and then opened, for dredging and rock removal in Bronx River, N. Y. Further information on application.

TREASURY DEPARTMENT. Office of the Supervising Architect, Washington, D. C., July 18, 1922.—SEALED PROPOSALS will be opened in this office at 3 p.m., August 22, 1922, for construction of the United States Post Office at Spanish Fork, Utah. Drawings and specifications may be obtained from the custodian of the site at Spanish Fork, Utah, or at this office in the discretion of the Supervising Architect, Jas. A. Wetmore, Acting Supervising Architect.

U. S. ENGINEER OFFICE, Room 710, Army Building, 39 Whitehall Street, New York, N. Y.—Sealed proposals for dredging in Hudson River, N. Y., will be received here until 12 M., September 5, 1922, (daylight saving time) and then opened. Further information on application.

U. S. GOVERNMENT

U. S. ENGINEER OFFICE, Nashville, Tenn.—Sealed proposals will be received here until 11 a. m., Sept. 5, 1922, and then opened, for steel gates for Lock F, Cumberland River. Further information on application.

U. S. ENGINEER OFFICE, 815 Witherspoon Bldg., Philadelphia, Pa. Bids are wanted until Aug. 7, 1922, for dredging in Delaware River in front of Camden, N. J. Further information on application.

UNITED STATES ENGINEER OFFICE, Duluth, Minn., July 14, 1922. Sealed proposals will be received here until 10 o'clock a.m., August 14, 1922, and then opened, for constructing and delivering a steel derrick scow, complete with machinery and equipment. Further information on application.

U. S. ENGR. OFFICE, WILMINGTON, Del. Sealed proposals will be received here until 11 a.m., standard time, Aug. 15, 1922, and then opened, for excavating Inland Waterway from Delaware River to Chesapeake Bay, Del. and Md. (Chesapeake and Delaware Canal). Further information on application.

U. S. ENGINEER OFFICE, Providence, R. I. Sealed proposals will be received here until 11 o'clock a.m., Eastern Standard Time, August 15, 1922, and then opened, for rock removal in Stamford Harbor, Conn. Further information on application.

U. S. ENGINEER OFFICE, Galveston, Tex. Sealed proposals will be received here until 12 M., Aug. 15th, 1922, and then opened, for dredging the Houston Ship Channel, Texas. Further information on application.

PROPOSALS FOR PONTOON CATAMARANS.—U. S. Engineer Office, 2d District, Portland, Ore.—Sealed proposals for 80 all steel pontoon catamarans will be received here unti 11 a.m., August 21, 1922, and then opened. Further information on application.

U. S. VETERANS' BUREAU, Office of the Director, Washington, D. C., July 15, 1922. Sealed proposals will be received at this office until 3 o'clock p.m., on September 1, 1922, and then opened, for the purchase of 2 complete York 100-ton refrigerating plants in U. S. Veterans' Hospital No. 42, Perryville, Md. The sealed envelope must be plainly marked "Proposal for purchase of refrigerating machinery to be opened at 3 p.m., September 1, 1922," and addressed to U. S. Veterans' Bureau, Room 1027, Arlington Building, Washington, D. C. A description of the equipment to be sold, conditions, etc., can be had on application to the Medical Officer in Charge, U. S. Veterans' Hospital No. 42, Perryville, Md. L. B. Rogers, Acting Director.

PROPOSALS FOR STONE.—U. S. ENGINEER OFFICE, 329 Custom House, New Orleans, La.—SEALED PROPOSALS will be received here until 11 a.m., August 15, 1922, and then opened, for furnishing and delivering stone for Southwest Pass, Head of Passes and South Pass, Mississippi River. Further information on application.

U. S. ENGINEER OFFICE, 616 Army Building, New York City.—SEALED PROPOSALS will be received here until 11 a.m., Eastern Standard Time, August 19, 1922, and then opened, for dredging in Passaic River, N. J. Further information on application.

TREASURY DEPARTMENT, Supervising Architect's Office, Washington, D. C., July 27, 1922—SEALED PROPOSALS will be opened in this office at 3 p.m., Aug. 28, 1922, for remodeling in the United States Post Office, Raleigh, N. C. Drawing and specifications may be obtained from the Custodian of the building or at this office, in the discretion of the Supervising Architect. Jas. A. Wetmore, Acting Supervising Architect.

U. S. ENGINEER OFFICE, BUFFALO, N. Y.—SEALED PROPOSALS will be received here until 11 a.m. (Eastern standard time) Aug. 25, 1922, and then opened, for constructing Office-Storehouse Building and six Operating Houses at Black Rock Lock and Storehouse at Ferry Street Bridge, Buffalo, N. Y. Further information on application.

PROPOSALS FOR LEVEE WORK.—Office, Mississippi River Commission, 1st and 2d Districts, Customhouse, Memphis, Tenn.—Sealed proposals will be received here until 11 a.m., Aug. 14, 1922, and then opened, for constructing about 2,900,000 cubic yards of earthwork in the Upper and Lower St. Francis and White River Levee Districts. Further information on application.